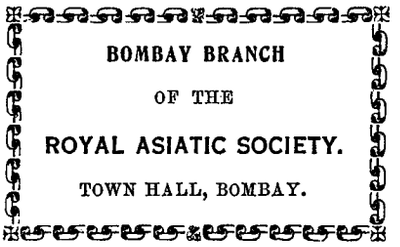
Forest Department,
Madras Presy.
report
1900-01 to 1902-03



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ANNUAL ADMINISTRATION REPORT

OF THE

FOREST DEPARTMENT

OF THE

MADRAS PRESIDENCY

FOR THE

134085

TWELVE MONTHS ENDING 30TH JUNE 1901.

(1900-1901.)

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1901.

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PROGRESS REPORT

OF

FOREST ADMINISTRATION IN THE MADRAS PRESIDENCY

FOR THE TWELVE MONTHS ENDING WITH 30TH JUNE 1901.

CHAPTER I.—EXTENSION AND CONSTITUTION OF STATE FORESTS.

(i) *Alteration of Area.*

The area of reserved forests and reserved lands was increased during the year by 955 square miles.

The details are given below in paragraph 3.

The following abstract A from Form 44 shows the changes in the forest areas of the different classes in the three Circles and the Presidency as a whole, during the year:—

ABSTRACT A.—Classes and Area of Forests.

	Area on 1st July 1900.	Added during the year.	Excluded during the year.	Net increase or decrease.	Area on 30th June 1901.
Northern Circle.	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.
Reserved forests	5,561	(a) 2, (b) 237	..	+ 239	5,800
Do. lands	1,417	(a) 6, (d) 30	(a) 4, (c) 175, (e) 21, (f) 237	— 401	1,016
Total ..	6,978	275	437	— 162	6,816
Central Circle.					
Reserved forests	6,288	(a) 7, (b) 252	(a) 13	+ 246	6,534
Do. lands	864	(a) 6, (d) 146	(a) 15, (e) 12, (f) 252	— 127	737
Total ..	7,152	411	292	+ 119	7,271
Southern Circle.					
Reserved forests	4,013	(b) 242	..	+ 242	4,255
Do. lands	1,506	(a) 1, (d) 26	(c) 39, (e) 53, (f) 242	— 307	1,199
Total ..	5,519	269	334	— 65	5,454
Total.					
Reserved forests	15,862	(a) 9, (b) 731	(a) 13	+ 727	16,589
Do. lands	3,787	(a) 13, (d) 202	(a) 19, (c) 214, (e) 86, (f) 731	— 835	2,952
Grand Total ..	19,649	955	1,063	— 108	19,541

(a) Rectification of area. (b) Transferred from reserved lands. (c) Disafforested or unreserved.
(d) Newly-constituted reserved lands. (e) Excluded at settlement. (f) Transferred to reserved forests.

2. A detailed statement of district areas and forest reserves is attached as appendix A, and appendix B shows by districts the areas finally constituted reserved forests prior to, and at the close of, the year under report.

3. The details of the changes in areas that have occurred during the year are as follows. There was a net decrease of 108 square miles in the total area under the control of the department during the year against an increase of 55 square miles in the previous year. The decrease is attributed to exclusions made during settlement, chiefly in Kistna, Kurnool, Cuddapah, North and South Malabar where large areas were unreserved. As a partial set off, however, a large increase occurred in Salem.

Reserved Lands.

The area of reserved lands was increased by 202 square miles newly notified, 6 square miles were deducted from previously notified land on account of a more correct area computation, and 300 were excluded chiefly in *Kurnool*, *Kistna* and *Malabar*, at settlement or unreserved for extension of cultivation or for the exercise of communal privileges allowed under rule 7 of the rules under section 26. Salem showed the largest increase, 131 square miles having been notified under section 4 of the Forest Act for settlement. Bellary was next with 20 square miles followed by Nellore, the Nilgiris and North Coimbatore with 14, 11 and 11 square miles, respectively.

Reserved Forests.

The net area of reserved forests increased by 727 square miles against 974 square miles in the previous year. The largest addition was 155 square miles in *Kurnool*, and *South Canara* ranked next with 150, followed by *Cuddapah* 101, *Salem* 72, *North Malabar* 42, *Kistna* 36, and *South Malabar* 33 square miles. Smaller additions were made in *Nellore*, *Trichinopoly*, *Bellary*, *Ganjám* and *North Arcot*. Four square miles were deducted by rectification on account of a more correct computation of area. Notifications regarding thirty-two blocks comprising 131 square miles, which issued during the year, took effect only after its close.

(ii) *Forest Settlement.*

4. The subjoined abstract gives the progress of forest settlement in the three circles and the Presidency as a whole. The total area brought under settlement up to the close of the year, the area finally constituted reserved forests, and the particulars of balance of lands under settlement in each district on 30th June 1901 are shown in appendix C :—

ABSTRACT B.

Circle.	Area of reserved lands—*vide* Abstract A above.					Area brought under Chapter II of the Madras Forest Act.				
	On 1st July 1900.	Added during 1900–1901.	Total.	Excluded during the year mainly by reason of constitution as reserved forests.	Balance at the end of the year.	Area notified under section 4 not constituted reserved forests on 1st July 1900.	Added during 1900–1901.	Total.	Constituted reserved forests during 1900–1901, or otherwise disposed of.	Balance notified under section 4 but not constituted reserved forests on 1st July 1901.
	SQ. MS.	SQ. MS.	SQ. MS.	SQ. MS.	SQ. MS.	SQ. MS.	SQ. MS.	SQS. MS.	SQ. MS.	SQ. MS.
Northern Circle	1,417	36	1,453	437	1,016	619	183	802	237 (*a*) 3 (*b*) 3 (*c*) 21	538
Central ,,	864	152	1,016	279	737	788	165 (*a*) 6	959	252 (*a*) 14 (*c*) 12	681
Southern ,,	1,506	27	1,533	334	1,199	953	29	982	242 (*b*) 33 (*c*) 53	654
Total ..	3,787	215	4,002	1,050	2,952	2,360	377 (*a*) 6	2,743	731 (*a*) 17 (*b*) 36 (*c*) 86	1,873

(*a*) Rectification. (*b*) Initial notification cancelled. (*c*) Excluded at settlement.

The progress made in the Presidency during this and the previous year are compared below, the area brought under settlement in each district being shown in appendix E:—

	1899-1900.		1900-1901.	
	Number of blocks.	Area.	Number of blocks.	Area.
		SQ. MLS.		SQ. MLS.
(1) Area notified as proposed reserves under section 4 and remaining to be constituted reserved forests at the beginning of the year.	431	3,162	359 (a) — 5	2,360 (a)+ 6
(2) Notified under section 4 during the year	141	243	180	377
Total ..	572	3,405	534	2,743
(3) Deduct area finally constituted as reserved forests under section 16, or excluded at settlement, or the initial notifications of which were cancelled.	192 (b) 21	970 (b) 26 (c) 49	204 (b) 12	731 (a) 17 (b) 36 (c) 86
Total ..	213	1,045	216	870
(4) Area which remained to be finally constituted reserved forests at the end of the year	359	2,360	318	1,873

(a) Rectification. (b) Initial notifications cancelled. (c) Excluded at settlement.

5. At the beginning of the year, 354 blocks covering 2,366 square miles remained to be finally constituted reserved forests; 180 blocks aggregating 377 square miles were added during the year against 141 blocks of 243 square miles in the preceding year. The increase is due to large areas transferred for settlement in Salem, Kistna and Kurnool. Two hundred and four blocks of 731 square miles were declared reserved forests during the year against 192 blocks of 970 square miles in the previous year. The increase in the number of blocks and the decrease in the area was due to the constitution of a large number of blocks of small extent in the Nilgiris and to the completion of the work of reservation in some districts prior to the year under report. At the close of the year, 318 blocks of 1,873 square miles were pending against 359 blocks of 2,360 square miles in the previous year. This decrease is attributed to the limited area available for reservation, selection and settlement in several districts having been practically completed.

The particulars of the above balance of areas under settlement are given below :—

	1899-1900.		1900-1901.	
	Number of blocks.	Area.	Number of blocks.	Area.
		SQ. MLS.		SQ. MLS.
(1) Notified under section 16, but not constituted reserved forests during the year	34	114	32	131
(2) With Board or Government awaiting publication of notification under section 16	46	441	17	166
(3) Returned by the Board for revision and remaining either with Collector, District Forest-officer or Forest Settlement-officer.	26	505	32	284
Total settled and reported on ..	106	1,060	81	581
(4) Settled but not reported on	38	217	53	468
(5) Settlement proceeding	215	1,083	184	824
Total of (4) and (5) ..	253	1,300	237	1,292
Totals of (1), (2), (3), (4) and (5) ..	359	2,360	318	1,873

Of the 53 blocks of 468 square miles shown above as settled but not reported upon, 33 awaited submission of final reports, ten disposal of appeals, six settlement of compensation, one expiry of time prescribed for appeal, and three were pending from other causes. One hundred and eighty-four blocks of 824 square miles were pending with Forest Settlement-officers, District Forest-officers and Collectors in various stages of settlement as shown in Appendix D.

6. The results of the settlement operations of the year under report are compared with those of the previous two years in the subjoined statement:—

Year.	Finally notified during the year.		Settled and reported on.		Settled but not reported on.		Total.	
	Number.	Area.	Number.	Area.	Number.	Area.	Number.	Area.
1	2	3	4	5	6	7	8	9
		SQ. MLS.		SQ. MLS.		SQ. MLS.		SQ. MLS.
Ending with June 1899 ..	206	1,015	92	1,073	57	221	355	2,309
Do. 1900 ..	192	970	106	1,060	38	217	336	2,247
Do. 1901 ..	204	731	81	581	53	468	338	1,780

It will be seen from columns 8 and 9 that the year's operations were slightly in advance of those of the previous year in respect of the number of blocks, but the area involved was less by 467 square miles. The progress made was less in both respects than that of 1898–99.

7. As in the previous year, good progress was made in the disposal of old blocks, chiefly in *Ganjám*, *Kurnool*, *Salem*, *North* and *South Malabar* and *North Coimbatore*. In the first-named district the settlement papers of the oldest block (Kriyamba) referred to in the last year's report were revised and resubmitted to the Board. The settlement of two blocks of Barnakonda and Kadagundi in *Vizagapatam* mentioned in the previous year's report was completed, but final report of the former only has been received from the Forest Settlement-officer. In *North Malabar*, the oldest blocks of Periya and Padri, the settlement of which was protracted by the several appeals preferred against the Forest Settlement-officer's decisions, were at last finally constituted reserved forests during the year. Of the four blocks in the Attapadi valley in *South Malabar*, portions of two only were finally constituted reserves and the other two abandoned. In *North Coimbatore*, the settlement of Yedaralli and Hanur blocks, has been completed and the draft notification regarding Yedaralli has been received in the Board's office, while that of Hanur is delayed for want of a map. These blocks were surveyed by the Survey of India Party three years ago. The progress made in other districts was good.

8. *Outturn of work by the Special Forest Settlement-officers.*—The work done by the Special Forest Settlement-officers during the year is shown in the following abstract:—

ABSTRACT C.

OUTTURN of work by Special Forest Settlement-officers during 1900–1901.

Names of Special Forest Settlement-officers.	Districts.	Issue of proclamation after notification under section 4.		Settlement of claims.		Report after settlement submitted.		Final notification proclaimed.		Cost.
		Number of blocks.	Area.	Number of blocks.	Area.	Number of blocks.	Area.	Number of blocks.	Area.	
1	2	3	4	5	6	7	8	9	10	11
			SQ. M.		SQ. M.		SQ. M.		SQ. M.	RS. A. P.
Mr. W. F. Bateman, up to 2nd September 1900.	Ganjám	..	..	1	6	4	8	2	8	162 0 0
	Vizagapatam ..	..	..	..	..	..	..	1	4	1,834 0 0
	Gódávari	..	..	..	..	..	..	1	1	..
	Kistna	1	3	1	2	..	..	..	..	1,456 0 0
	Kurnool	..	..	..	..	..	..	..	..	..
	Total ..	1	3	2	8	4	8	4	13	3,452 0 0
Mr. E. A. Smith ..	Ganjám	2	2	..	..	..	..	3	9	485 0 0
	Vizagapatam ..	..	..	..	..	..	..	..	..	69 0 0
	Gódávari	..	..	..	..	..	..	2	6	..
	Kistna	18	56	20	48	20	42	14	26	4,881 0 0
	Kurnool	15	51	3	68	4	81	4	87	311 0 0
	Bellary	7	22	4	7	4	7	3	20	1,524 0 0
	Anantapur	..	..	2	1	1	1	..	..	..
	Nellore	30	29	15	36	15	26	14	21	5,365 0 0
	Total ..	72	160	44	160	44	157	40	169	12,635 0 0
M.R.Ry. K. Ganapaiya Garu up to 1st April 1901.	Cuddapah	24	1	15	1	20	1	19	72	2,005 15 11
	Nellore *	1	2	4	5	..	..	13	18	1,123 12 3
M.R.Ry. P. S. Singaravelu Pillai Avargal.	North Arcot	1	..	2	17	3	29	2	11	2,005 15 11
	Chingleput	..	..	..	..	..	..	3	3	2,005 15 11
	South Arcot	..	..	1	..	..	..	5	22	2,005 15 11
	Salem	13	150	16	143	9	82	11	101	2,005 15 11
	Total ..	39	153	38	166	32	112	53	227	11,153 11 10
Mr. F. V. P. Gompertz and M.R.Ry. P. S. Singaravelu Pillai Avargal from 6th November 1900.	Tinnevelly	1	1	2	6	1	3	2	6	2,109 1 6
	Madura	..	..	..	..	..	..	..	..	2,109 1 6
	Trichinopoly ..	..	..	5	11	10	26	12	20	2,109 1 6
	Coimbatore	2	12	6	471	1	1	..	..	2,109 1 6
	The Nilgiris ..	61	11	39	5	55	4	69	7	2,109 1 6
	Total ..	64	24	52	493	67	34	83	33	10,545 7 6
Mr. H. S. Mullins ..	South Canara ..	3	4	5	29	5	35	12	112	2,530 0 0
	North Malabar ..	1	4	..	..	..	..	1	40	1,265 0 0
	South Malabar ..	..	..	..	..	..	..	..	..	1,265 0 0
	Total ..	4	8	5	29	5	35	13	152	5,060 0 0
	Grand Total ..	180	348	141	856	152	346	193	594	42,846 3 4
	In 1899–1900 ..	131	488	204	1,074	206	1,103	198	888	61,204 0 0
	In 1898–1899 ..	149	527	219	1,268	197	1,036	189	979	54,230 0 0

* Settled by M.R.Ry. K. Ganapaiya Garu alone.

Only one Special Forest Settlement-officer Mr. Smith worked throughout the year and his work was, on the whole, good and compared favourably with that of the previous year. There have been changes among other Forest Settlement-officers. Messrs. Bateman and Gompertz reverted to the Survey Department. M.R.Ry. K. Ganapaiya Garu retired from the service from 1st April 1901. Mr Mullins was placed on special duty in connection with the survey and demarcation of Mysore—South Canara boundary from 16th October 1900 to 22nd December 1900 and from 4th February 1901 to 27th March 1901 and was then granted one month's privilege leave and finally was deputed to Coorg from 21st June 1901. M.R.Ry. P. S. Singaravelu Pillai Avargal was reappointed Special Forest Settlement-officer for *Trichinopoly*, &c., districts from 6th November 1900 and took over the work of the two officers Mr. Gompertz and M.R.Ry. Ganapaiya Garu except that in *Nellore* which was trans-

ferred to Mr. Smith. Owing to these changes, the outturn was less than that of the previous year. It is not proposed to appoint a successor to Mr. Mullins and Government has now entrusted the work in *South Canara* and *Malabar* to the respective Revenue Divisional-officers in whose divisions the blocks lie.

9. *Outturn of work by Divisional-officers.*—A small block on the Anaimalais in *South Coimbatore* known as the Andiparai or Mary Estate was finally notified after the close of the year. Another block in *South Coimbatore* (Avanasi tope) and one in *Ganjam* (Chandragiri) were notified for settlement by Divisional-officers; the latter was completed and finally notified during the year, reservation taking effect only after the close of the year, and the settlement papers of the former were in course of examination in the Board's office.

10. The average cost per square mile of forest settlement including the cost of preliminary demarcation and survey up to the close of 1900–1901 is shown below:—

Circle.	Area of reserved forests in square miles.			Cost of				Average cost per square mile.
	Finally constituted.	Under settlement.	Total.	Forest Settlement.	Preliminary demarcation.	Preliminary Forest surveys.	Total.	
	SQ. MLS.	SQ. MLS.	SQ. MLS.	RS.	RS.	RS.	RS.	
Northern	5,800	538	6,338	2,43,849	38,695	78,262	3,60,806	About Rs. 57.
Central	6,534	681	7,215	2,83,425	22,547	54,564	3,60,536	,, ,, 50.
Southern	4,255	654	4,909	2,09,771	21,928	85,456	3,17,155	,, ,, 64.
Total ..	16,589	1,873	18,462	7,37,045	83,170	2,18,282	10,38,497	About Rs. 56.

The more costly settlement in Southern Circle is due to the following facts:—

(1) Settlement by Special Settlement-officers began in this circle in 1883 and proceeded at first slowly.

(2) In the earlier years, the work was done by two highly-paid covenanted civilians.

(3) Temporary surveyors have been continuously employed in surveying blocks selected for reservation, especially in *South Canara*.

(4) The hilly and difficult nature of the country in which the reserves are situated, explains the higher cost of preliminary surveys, and this probably also explains the higher cost of settlement in the Northern Circle as compared with that of the Central Circle where the reserves are mostly in the plains.

11. *Selections for further reservation.*—The preliminary demarcation and survey of the selections in the Pondokhal mutta in *Ganjam*, referred to in the last report, were postponed during the year under report pending orders of Government on the extension of the Forest Act into the Agency. These orders have since been received and the work will be pushed on during the current year. One small block only remained to be notified in Berhampur range. In *Vizagapatam*, three blocks were selected and notifications for two of them submitted. In *Gódavari*, the selections of coast line near Coringa were delayed by the non-receipt of maps. In *Kistna*, four blocks have been selected of which notifications for two have since been published and the selection of the remaining seven blocks awaited the success of the Devi Pumping Irrigation project, the result of experiments made for the reclamation of coast swamps and demarcation, and further information from the Revenue Department as to available balance of waste land. In *Kurnool*, the results of the enquiry into the objections taken by the ryots to the reservation of certain fresh selections in the Koilkuntla taluk, referred to in the previous year's report, have not been reported. With the abandonment of a certain number of blocks chiefly in the Pattikonda and Ramallakotta taluks, the selection work in the district will come to a close. In *Bellary*, six blocks were newly selected and notified under section 4 and one block selected in the previous year was abandoned under the orders of the Board, and eight blocks out of nineteen proposed in the last year's report were finally proposed in the Kudligi taluk. In *Cuddapah*, twenty-three topes of about one square mile were selected, of which thirteen were finally constituted reserved forests. In *North Arcot*, only one block remained to be reserved. The selection of Upper Anicut

Padugais of about one square mile in *Trichinopoly* was completed. In *Tanjore*, the selection of salt swamps near Muttupet is in contemplation. No satisfactory progress can be made in *South Canara* for the reasons given in the previous years' reports, viz., the non-settlement of the Káns and Bánés question in the southern part of the district, and non-completion of revenue settlement. Twenty blocks will probably remain to be selected. Of four blocks selected in *North Coimbatore* at the close of the previous year, two were notified under section 4 and the remaining two await receipt of the Survey of India maps for the Burgur reserves (surveyed in 1896–97) as they form extensions to those reserves. In *Madura*, further selections of small scattered sholas on the Upper Palnis were made to straighten the boundaries of existing reserves and for the protection of the grass land adjoining the Kodaikánal settlement as a recreation ground. Selections in other districts are reported to be almost complete.

The subjoined abstract gives the sanctioned estimate of areas for reservation in each district, the total area brought under the Forest Act, and additional estimated area selected or to be selected, and the percentages of the estimated area proposed to be reserved to the total area of Government and unoccupied lands.

ABSTRACT D.

District.	Sanctioned estimate of areas for reservation.	Area brought under the Forest Act—*vide* last column of Form 44.	Additional estimated area selected or to be selected.	Total estimate proposed to be reserved.	Percentage of column 5 to the area of Government lands in the district.	Percentage of column 5 to the area of unoccupied Government lands in the district.
1	2	3	4	5	6	7
	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.		
Ganjám	656	540	22	562	12·66	14·71
Vizagapatam	415	344	..	344	24·92	30·93
Gódávari	997	952	45	997	24·98	41·50
Kistna	1,165	1,068	..	1,068	19·00	43·89
Kurnool	2,677	2,771	..	2,771	41·61	59·91
Bellary	629	(*d*) 631	54	685	14·75	35·32
Anantapur	535	510	..	510	10·84	18·75
Cuddapah	2,640	2,437	..	2,437	32·19	44·59
Nellore	1,132	766	1	767	18·82	32·89
Chingleput	231	214	..	214	10·43	21·00
North Arcot	(*a*) ..	1,234	..	1,234	31·54	48·39
South Arcot	835	705	..	705	14·85	30·45
Salem	1,594	1,581	4	1,585	29·40	49·02
Trichinopoly	(*a*) ..	316	1	317	11·80	30·98
Tanjore	23	18	..	18	0·72	2·55
South Canara	1,011	1,090	..	1,090	28·07	34·34
Malabar	(*b*) 273	518	..	518	9·24	12·93
The Nilgiris	(*c*) 411	498	..	498	52·03	76·38
Coimbatore	(*b*) 1,812	2,308	39	2,347	32·70	71·18
Madura	(*a*) ..	611	9	620	19·10	39·71
Tinnevelly	440	429	..	429	12·02	33·78

(*a*) No definite schemes were formulated and approved for the district.
(*b*) Final schemes were submitted only for the Northern Divisions of the districts.
(*c*) Excludes leased forests. (*d*) Includes leased forests, 62 square miles.

Reserved lands not brought under settlement.

12. The extent of the above in each district is shown in appendix E. The area to be notified was largest in *South Canara* for reasons given above. Only 3 square miles were transferred for settlement. In *Kurnool*, the total area brought under the Forest Act having exceeded the sanctioned estimate of areas for reservation, 109 square miles were unreserved, and in order to provide a margin for extension of cultivation and for the exercise of communal privileges, the District Forest-officer has, it is understood, recommended to the Collector the disforestation of a further area of 79 square miles. Fifteen blocks comprising 50 square miles were transferred for settlement. There still remains a large area for notification under section 4. Good progress was made in *Salem* and *Kistna* during the year and 12 and 25 blocks of 154 and 73 square miles, respectively, were notified under section 4. The work done in *Vizagapatam*, *Bellary* and *Nellore* was also good. The balance of lands in *Cuddapah* and *North Arcot* will, for the present, remain as reserved lands under section 26, while those remaining in *South Malabar*, the *Nilgiris* and *Bellary* are mostly leased forests. The area now remaining to be settled is 1,873 square miles, to which has to be

added 175 square miles, the total shown in column 4 and an uncertain area in *South Canara* and *Kurnool*. It may be confidently expected that the whole work will be completed before the end of 1904–1905 as presumed by the Government of India in paragraph 2 of its review of the Forest Administration of Madras for 1898–99.

Survey of proposed reserves.

13. In Ganjám, one surveyor was employed for about four months and a forester for two, and 69 miles were traversed by them. Four miles of the proposed Mohagara reserve boundary were surveyed by the Range officer, Berhampur. In *Vizagapatam*, a surveyor was appointed for four months and surveyed blocks 3 and 4 of Saragudu and Donbai Sál block. The work of the surveyors in *Kistna* consisted of 124 linear miles of boundary survey and 17·75 square miles of outline survey. In *Kurnool*, the surveyor employed for six months completed the survey of unreserved fields in Gain reserve. In *South Canara*, a surveyor was again attached to the Forest Settlement office for a portion of the year, and another was engaged chiefly on final demarcation in Uppinangadi Range, but surveyed only two selections (14½ miles).

Demarcation of proposed reserves.

14. The following statement shows the length and cost of boundary lines preliminarily demarcated during the past two years:—

PRELIMINARY Demarcation work.

	During 1899–1900.			During 1900–1901.		
	Miles.	Cost.	Average per mile.	Miles.	Cost.	Average per mile.
1	2	3	4	5	6	7
Northern Circle.		RS.	RS. A. P.		RS.	RS. A. P.
Ganjám	87	531	6 1 8	29	157	5 6 7
Vizagapatam	40	551	13 12 5	11	88	8 0 0
Gódávari	17	68	4 0 0	2	7	3 8 0
Kistna	78	302	3 13 11	5	(*c*) 66	13 3 2
	(*a*) 31	102	3 4 7			
Kurnool	325	743	2 6 5	215	(*e*) 563	2 9 10
	(*b*) 27	78				
Bellary	102	254	2 7 10	30	(*f*) 165	5 8 0
Anantapur	..	..	..	..	..	..
Total, Northern Circle	697	2,629	3 12 4	292	1,046	3 9 4
Central Circle.						
Cuddapah	..	..	..	..	..	..
Nellore	129	(*c*) 360	2 12 8	6	18	3 0 0
Chingleput	..	..	..	..	..	..
North Arcot	..	..	..	..	..	..
South Arcot	..	..	..	..	..	..
Salem	107	270	2 8 4	63	288	4 9 1
Trichinopoly	21	7	0 5 4	..	..	..
Tanjore	..	..	..	..	..	..
Total, Central Circle	257	637	2 7 7	69	306	4 6 11
Southern Circle.						
South Canara	169	418	2 7 7	153	(*c*) *and* (*d*) 102	0 10 8
	344	(*d*) 712	2 1 1			
North Malabar	20	130	6 8 0	..	..	..
South Do.	1	40	40 0 0	..	..	..
The Nilgiris	140	779	5 9 0	10	27	2 11 2
North Coimbatore	1	(*e*) 60	60 0 0	37	(*e*) 322	8 11 3
South Do.	2	13	6 8 0	..	(*g*) 5	..
Madura	..	..	..	..	..	..
Tinnevelly	4	56	14 0 0	..	..	..
Total, Southern Circle	681	2,208	3 3 10	200	456	2 4 6
Grand Total, Presidency	1,635	5,474	3 5 7	561	1,808	3 3 5

(*a*) Repairs.
(*b*) Rectification of boundaries.
(*c*) Includes cost of erecting cairns.
(*d*) Amount spent in clearing boundary lines for Forest Settlement-officer's perambulation.
(*e*) Includes cost of erection of cairns, clearing of prickly-pear and cost of sign-boards.
(*f*) Includes cost incurred in clearing the lines, &c. (filled with prickly-pear).
(*g*) Amount spent on account of wages of coolies engaged in cutting jungle and identifying boundary stones of many reserves.

No work was done in *Anantapur*, *Cuddapah*, *Chingleput*, *North* and *South Arcot*, *Trichinopoly*, *Tanjore*, *North* and *South Malabar*, *South Coimbatore*, *Madura* and *Tinnevelly* during the year under report. The total outturn for each district and for the Presidency as a whole is less than that of the previous year, which is due to the completion of selections in most of the districts. The very small outturn in *Kistna* is attributed to the fact that 13 blocks selected for reservation were subsequently abandoned.

The average cost per mile was a little less than that of the previous year for the Presidency and for *Northern* and *Southern Circles*, but increased in the *Central Circle*. Taking the districts individually, the increase in cost in *Kistna* was largest and was unavoidable owing to the heavy growth that had to be cleared and to larger number of cairns erected, while that in *Bellary* was due to large expenditure incurred in clearing the prickly-pear on the lines. The small increase in *Kurnool* was on account of some work done in the blocks adjoining the *Nallamalais* and *Veligonda* reserves. The increase in *Salem* was due to many of the blocks being situated in hilly ground. The decrease in *Ganjám* is on account of the very small expenditure of Rs. 3 incurred in demarcating 16 miles of Mohagara proposed reserve. In *South Canara* and the *Nilgiris*, the major portion of the work was reclearing of lines for Forest Settlement-officer's perambulation and this accounts for the decrease in both the districts. The variations in other districts have not been explained.

(iii) *Demarcation.*

15. The system of demarcation in the different districts remained the same during the year. In *Trichinopoly*, palmyra seeds were sown along the boundaries of four reserves, and it is intended in due course to utilize the trees in place of demarcation pillars.

The cost and length of boundary lines permanently demarcated and recleared during the year are compared with those of the previous year in the following abstract. Form No. 46 shows the work that remained to be done at the close of the year:—

ABSTRACT G.—Demarcation Work done during 1900-1901.

District.	Permanent.						Re-clearing old lines.			
	During 1899-1900.			During 1900-1901.			During 1899-1900.		During 1900-1901.	
	Miles.	Cost.	Average cost per mile.	Miles.	Cost.	Average cost per mile.	Miles.	Cost.	Miles.	Cost.
1	2	3	4	5	6	7	8	9	10	11
Northern Circle.		Rs.	Rs. A. P.		Rs.	Rs. A. P.		Rs.		Rs.
Ganjám	150	(a) 1,372	9 2 4	272	(a) 3,130	11 8 1	31	31	33	98 (h) + 40
Vizagapatam	63	(a) 1,763	27 15 0	81	(a) 1,116	13 12 5	Not stated.	(a) & (b) 774	348	(b) 715 (h) — 29
Gódávari	124	(a) 2,009	16 3 2	49	(a) 667	13 9 9	200 (c) 388	(a) & (b) 8,869	503	(b) 774
Kistna	139	(a) 2,758	19 13 5	(n) 161	(a) 1,854 (b) 275	13 3 7	89	(a) 537	26	198 (h) — 15
Kurnool	107	1,888	17 10 4	337	(a) 2,834	8 6 6	..	(k) 2,027	16	93 (f) 284 (g) — 230 (h) — 3
Bellary	92	484	5 4 2	85	200	2 5 8	198	423	351	657
Anantapur	56	(a) 306	5 7 5	3	78	26 0 0	25	233	36	84 (h) + 1
Total, Northern Circle	731	10,580	14 7 6	988	10,154	10 4 7	931	12,894	1,313	2,667
Central Circle.										
Cuddapah	(m) 191	1,185	6 3 3	(i) 276	1,910	6 14 9	95	176	46	91 (h) — 2
Nellore	250	(a) 1,924	7 11 2	65	(a) 501	7 11 4	..	(h) + 418	33	(h) + 108
Chingleput	26	236	9 1 2	33	207 (a) 235 (b) 479	27 14 6	..	(d) 39 (b) 468	30 (c) 529	22
North Arcot	(j) 49	528	10 12 5	(l) 99 13	1,125	10 0 8	(c) 1,914 11	97	20 (c) 1,968	117
South Arcot	90	(a) 1,930	21 7 1	15	(a) 618	41 3 2	..	..	22 (c) 30	28
Salem	70	195	2 12 6	16	73	4 9 8	390 (c) 621	167	444 (c) 1,070	409 (h) — 1
Trichinopoly	15	97	6 7 6	88	(c) 694	7 14 2	(c) 296	..	5 (c) 358	67
Tanjore	..	..	..	19	78 (h) + 1	4 2 6	..	..	..	..
Total, Central Circle	691	6,095	8 13 1	624	5,921	9 7 9	3,327	1,365	4,555	839

(a) Includes cost of erecting cairns.
(b) Includes cost of temporary establishment.
(c) Cleared by the Forest establishment free of cost.
(d) ,, cost of sign-boards, &c.
(e) Includes Rs. 31 spent in sowing palmyra seeds.
(f) Amount spent in cutting working circle lines.
(g) Amount recovered from Railway company on account of over payment of Railway charges in the previous year.
(h) Added or deducted as per Accountant-General's audited figures.
(i) Includes four miles of rectification of boundaries.
(j) Includes rectifying 25 miles of demarcation.
(k) Includes amount spent for cutting compartments.
(l) Rectification of boundaries.
(m) Includes nine miles of boundary rectified.
(n) Includes 13 miles of compartment lines.

Abstract G.—Demarcation Work done during 1900–1901—*cont.*

District.	Permanent.						Re-clearing old lines.			
	During 1899–1900.			During 1900–1901.			During 1899–1900.		During 1900–1901.	
	Miles.	Cost.	Average cost per mile.	Miles.	Cost.	Average cost per mile.	Miles.	Cost.	Miles.	Cost.
1	2	3	4	5	6	7	8	9	10	11
Southern Circle.		Rs.	Rs. A. P.		Rs.	Rs. A. P.		Rs.		Rs.
South Canara	353	4,487	12 11 5	216	3,697	17 1 10	20	200	19	89 (c) — 59
North Malabar	17	214	12 9 4	..	..	..	..	(c) 36	..	(c) + 8
South Malabar	..	..	..	..	..	..	..	..	..	..
The Nilgiris	..	..	..	45	932	20 11 5	100	(a) 1,865	56	926 (c) — 27
North Coimbatore	34	556	16 5 7	79	(a) 694	8 12 7	225	1,011	30	(a) 182 (g) 745
South Coimbatore	6	106	17 10 8	8	4	0 8 0	(b) 3	(c) + 14	..	..
Madura	..	..	..	..	..	..	37 (b) 487	(a) 1,058	39 (f) 450	(a) 655
Tinnevelly	19 (e) 8	113 20	5 15 2 2 8 0	(h) 8	553 (d) — 264	36 2 0	4	73	15	90
Total, Southern Circle	437	5,496	12 9 3	356	5,616	15 12 5	876	4,257	609	2,609
Grand Total, Presidency	1,859	22,171	11 14 9	1,968	21,691	11 4 4	(b) 1,425 (b) 3,709	18,516	2,522 (b) 3,955	6,115

(a) Includes cost of erecting and repairing cairns.
(c) Added or deducted as per Accountant-General's audited figures.
(e) Private forests adjoining reserved forests.
(g) Include Rs. 531 spent in clearing rights of way, boundary coupes and block lines.
(b) Cleared by the Forest establishment free of cost.
(d) Excludes amount recovered from Travancore State and from Singampatti Zamin estate for demarcating Zamin boundary according to the decision of the Privy Council (12 miles).
(f) Erection or repair of cairns.
(h) Excludes demarcation of Singampatti Zamin boundary, &c. (12 miles).

There was an increase of 109 miles in the total length of lines demarcated permanently during the year under report, as compared with that of the previous year. There was a slight decrease in the average cost per mile for the Presidency, the rate in the Northern Circle having fallen from Rs. 14–7–6 in the previous year to Rs. 10–4–7 in the year under report, and that in the Central and Southern Circles having risen from Rs. 8–13–1 and Rs. 12–9–3 to Rs. 9–7–9 and Rs. 15–12–5 respectively. The reasons for these variations are given below where called for.

Taking the districts in order—

In *Ganjám*, 272 miles of line were demarcated and 2,705 cairns erected at a cost of Rs. 3,130. Three hundred and forty-eight miles remain to be done. The increased cost was due to the high rate of Rs. 22 a mile for 34 miles of the Maliah boundary running over high and steep hills and cleared to a width of 16 feet.

In *Vizagapatam*, 81 miles were permanently demarcated at a cost of Rs. 1,116 which was almost 50 per cent. less than that of the previous year on account of the conversion of the preliminary into permanent demarcation which necessitated only slight clearing and no uprooting of stumps. The hill men also rendered help in clearing the reserve boundaries within their village limits free of cost in return for the concession allowed to them to collect Mohea fruit and other minor produce. All permanently demarcated boundaries are also kept clear by the protective staff at no additional expense. Seventy-one miles remain.

In *Gódávari*, 49 miles of demarcation work were done at a cost of Rs. 667 and the work here is nearly complete now, but some discrepancies due to faulty settlement in some of the blocks settled in former years, require to be rectified gradually. Eighty miles remain.

In *Kistna*, the outturn was small and 148 miles around 20 reserves were demarcated at a cost of Rs. 1,506 which included Rs. 275 spent on temporary establishment employed in the erection of 544 cairn stones and 416 slabs. All blocks finally notified up to the end of the year have now been demarcated. The low rate is due to the lines running through sparse jungle, and to the boundaries having been already cleared for the preliminary demarcation.

In *Kurnool*, 337 miles of 23 reserves were permanently demarcated at a cost of Rs. 2,834 including erection of cairns. Four hundred and forty-nine miles remain to be completed in the current year.

In *Bellary*, 85 miles were demarcated at a cost of Rs. 200, 11 miles only remaining at the close of the year. The low rate in these two last districts was due to the lines being in the plain-forests requiring little clearing.

In *Anantapur*, 3 miles of demarcation round one reserve was done for Rs. 78 which included the cost of the erection of stone slabs for 30 cairns. This high rate is explained by a trench having been dug round the reserve (a date tope), and the Collector considers that the heavy expenditure will be justified by the permanent nature of the work.

In *Cuddapah*, 272 miles of permanent demarcation were completed for Rs. 1,867. Some discrepancies due to faulty settlement in former years in Avalakonda and Horseleykonda reserves, were also rectified at an average cost of Rs. 10–12–0 a mile. The small increase in rate is explained to be due to the heavy growth which had to be cleared. Seventy-five miles remain.

In *Nellore*, 65 miles were demarcated and cairns erected at a cost of Rs. 501. One hundred and sixteen miles remain to be demarcated, of which 100 miles lie at the foot of the Eastern Ghauts where difficulty in procuring labour and means of conveyance impedes progress. The completion of several miles of this length was, however, reported in the month following the close of the year under report.

In *Chingleput*, 33 miles were done for Rs. 921. The demarcation is practically complete. Two miles remain.

The large increase in rate is due to the erection of a larger number of cairns, to the removal of prickly-pear, and to the inclusion of the cost of temporary establishment, &c.

In *North Arcot*, 112 miles (which included rectification of 13 miles) were demarcated at a cost of Rs. 1,125 and the work is said to be complete here so far as reserves finally notified up to the close of the year were concerned; but boundaries remain to be verified and rectified, where necessary, in case of 80 reserves. The increase in cost was due to the greater length of line (88½ miles) undertaken in hill villages.

In *South Arcot*, the outturn was small and only 15 miles were demarcated at a cost of Rs. 618 which included cost of slabs for old and new lines, demarcation of concession lands, &c. One hundred and ninety-four miles remain to be done, mostly in Tiruvannámalai range, where slow progress was made due to the illness of the range officer and to his being a defendant in a criminal case.

In *Salem*, the outturn was small consisting of 16 miles at a cost of Rs. 73. Demarcation is practically complete here. Six miles remain.

In *Trichinopoly*, the outturn was also small—88 miles at a cost of Rs. 694 which included Rs. 31 spent on sowing palmyra seeds along 32 miles of boundaries of four reserves in Musiri range, the demarcation of which still remains to be done. Three hundred and seventy-four miles of boundary still remain to be demarcated. Discrepancies of boundaries found in all the reserves of the Vaiyampatti range have to be rectified gradually.

In *Tanjore*, 19 miles were demarcated at the close of the year at a cost of Rs. 78. This work is complete.

In *South Canara*, 216 miles were permanently demarcated at a cost of Rs. 3,697 Work here had to be done over difficult ground where labour was scarce; hence the rate increased. Four hundred and twenty-one miles remain to be demarcated.

In *North Malabar*, no work was done, because the sleeper operations absorbed all funds and establishment. Five hundred and twenty-nine miles of boundary have to be demarcated still.

In *South Malabar*, no work was done. All reserves have already been demarcated here, except Attapadi valley blocks I and II—87 miles—which could not be attended to on account of sleeper operations, but will be completed during the current year.

In the *Nilgiris*, demarcation was nearly complete. Forty-five miles were demarcated at a cost of Rs. 932, only 12 miles remaining to be done.

In *North Coimbatore*, 79 miles were permanently demarcated at a cost of Rs. 694 which included Rs. 33 expended on the complete construction of 70 cairns and some further expenditure on 42 cairns. In addition, Rs. 531 were spent in demarcating rights, boundaries of coupes and block lines. Demarcation has been completed here so far as the blocks finally notified up to the end of the year were concerned. The low rate was due to the thinness of the growth in Cowdalli reserve, but this was somewhat compensated for by higher rates paid in Talamalai and Erode ranges where the clearance of line involved removal of thick growth and prickly-pear.

In *South Coimbatore*, 8 miles of Nallimalai reserve were permanently demarcated at a small cost of Rs. 4 due to the utilization of the cairns erected at the preliminary demarcation for permanent ones. Demarcation work was complete at the close of the year.

In *Madura*, no work was done. Thirty miles remain.

In *Tinnevelly*, about 20 miles were permanently demarcated at a cost of about Rs. 553. About 184 miles remain to be done. The work done consisted of the demarcation of Singampatti zamin boundary according to the decree of the Privy Council and of clearing the disputed portions of the Travancore boundary. Mela-Chintamani reserve was also demarcated at a cost of Rs. 149–8–0, but the high rate is not explained.

Reclearing Boundaries.—Two thousand five hundred and twenty-two miles were recleared at a cost of Rs. 6,115 against 1,425 at a cost of Rs. 18,516 in the previous year and 3,955 were cleared free of cost during the year by subordinates against 3,709 in the previous year, a satisfactory advance.

The expenditure was incurred in the Northern and Southern Circles, and is attributed in the former to the inclusion of cost of temporary establishment in *Vizagapatam* and *Gódávari* and of charges for clearing working circle lines in *Kurnool*, and in the latter to the erection of and repairs to cairns and clearing of rights of way, block lines and coupe boundaries. The maintenance of all boundary lines at no extra cost must necessarily form part of the duties of the protective staff in each district, and this will be recognized more fully each year.

(iv). *Surveys.*

16. As in the previous year, the combined parties Nos. 9 and 19, Survey of India, were divided into four sections, each placed under the immediate charge of an officer of the Provincial service and detailed for work—one to each of the districts of *Kurnool*, *Cuddapah*, *South Canara* and *North Coimbatore*. The year's outturn is shown in the following statement :—

Districts.	Triangulation.	Traversing.	Topography.	
			Total.	Reserved forests.
	SQ. MLS.	L. MLS.	SQ. MLS.	SQ. MLS.
Kurnool	300	261	398	..
Cuddapah	530	307	551	..
North Coimbatore	..	..	232	..
South Canara	505	202	196	..
Total ..	1,335	770	1,377	*..
Total of the previous year ..	1,429	312	1,524	*..

* Information for 1899–1900 and 1900–1901 not furnished.

The several sections took the field at the beginning of November. Three had a working season of six months, while the fourth in *North Coimbatore*, in order to endeavour to complete the topography of that district, returned to Bangalore only in the middle of June. There was a slight decrease in the amount of triangulation and topography work done, but the decrease was compensated for by the number of miles traversed which was more than double the length done in the previous year. It is now stated that the area surveyed in detail during the period was much in excess of that which can be efficiently fair-drawn by the staff during the recess months, and also that the outturn of topography would have been still greater if work had not been impeded by the death of an able surveyor and the dismissal of three others for misconduct, sickness in the Moyar valley, heavy rains in *North Coimbatore* and the resurvey of a large area necessitated by the inaccuracy of the original work. The fair-mapping of the *South Canara* and *Cuddapah* work is stated to have been retarded by the late arrival of the District Forest-officers of those districts for verification of the maps. In the case of the former, Mr. Latham went to Bangalore as early as he could, and, Mr. Scot being absent on leave, Mr. Lodge, who was formerly in charge of *Cuddapah*, was deputed for the work of that district. In this district the numerous errors in clearing boundaries, requiring resurvey, spread over a large area, practically involve the withholding of the season's work from publication till the errors can be rectified after revisiting the localities. Computation and fair-mapping was rendered difficult by sickness and absence of many of the members of the staff. The actual expenditure for the survey year including cost of instruments was Rs. 93,335 against Rs. 1,09,180 in the previous year. The decrease of Rs. 15,845 has not been explained. The total cost adjusted by the Accountant-General after deducting the contribution of the Government of India amounted to Rs. 68,448 for the forest year against Rs. 69,013 in the previous year. The cost per square mile of topography fell from

Rs. 72 in the previous year (according to the correct figures now reported) to Rs. 68 in the year under report.

Much inconvenience is caused by the want of maps in *North Coimbatore*, *North Arcot* and *Salem*, though in some instances years have elapsed since the field operations were completed. Congratulation on the subject of the magnitude or excellence of the Survey of India work is superfluous, if no tangible results in the shape of maps follow. *South Canara* is another district in which the want of maps is much felt, but the survey operations there, are of more recent date.

Departmental Surveys.

17. In *Chingleput* and *North Arcot*, Range officers did the survey work. In *Nellore*, a Special Surveyor was employed at a cost of Rs. 397 (including cost of survey) on the survey of certain disputed boundaries of reserves in Kanigiri, Udayagiri, Venkatagiri and Kalahasti taluks. Two Surveyors worked in *South Canara* in connection with Forest Settlement, final demarcation of settled reserves, fresh selections, darkhasted lands and some unreserved lands in which catechu was illicitly felled. A Sub-Surveyor of the Survey of India Party was employed in *South Coimbatore* surveying the areas leased for coffee cultivation on the Anamalais, and he has completed 12 out of 20 estates, the boundaries of the remaining 8 not having been cleared this year.

18. Appendix F shows the outturn of work by the draftsmen employed in the several districts, and the work done by them has been satisfactory. Of the total area of 16,589 square miles of reserved forests, 10,270 square miles were finally mapped, and particulars for each district are given in Appendix G.

CHAPTER II.—MANAGEMENT OF STATE FORESTS.

I. Regulation of management.

(a) Working-plans and their control.

19. Working-plans for 658 square miles were sanctioned by the Board and plans for 1061 square miles were in course of preparation of which some have been since submitted. These figures show a considerable advance on those of the previous year, which were 219 square miles sanctioned and 768 square miles under preparation.

Work of the Special Working-plans Officers.

Northern Circle.

Mr. F. C. L. Cowley-Brown did duty as Special Working-plans officer throughout the year. He prepared working-plans for the Railway working circle of the Nallamalais, 158 square miles, and for the Valdurty Babul reserve, 2 square miles, in *Kurnool*. The former was sanctioned by the Board and the latter will be included in the working-plan for the Kurnool working circle under preparation. The working-plans officer also inspected the Kondapalle reserve in *Kistna* and prepared preliminary working-plans for 8,000 acres (12½ square miles) and reported on the working-plan for Guntúr working-circle drawn up by the District Forest-officer. In *Ganjám*, he took up the valuation survey of the Suradá and Buguda ranges and reported on the Ambozara reserve of the Kukulaha range, the total area dealt with being 159·5 square miles. He further reported on the Kistna District Forest-officer's proposals for working the Vencatayapolium block.

Central Circle.

Mr. H. B. Bryant entered on his duty as Special Working-plans officer in December 1900 and completed a working-plan for Ambur block (82 square miles) in *North Arcot*, and submitted reconnaissance reports for all the reserves in Gudiyáttam and Palmanér ranges, aggregating 225 square miles.

Southern Circle.

Mr. G. F. Foulkes was posted to the circle as Special Working-plans officer from 1st October 1900. During the year, he inspected the Walayar-Sholakarai reserves, the outer slopes of the Anamalais and the forests of Mettupálaiyam and Bolampatti ranges in *South Coimbatore* district, the whole of the Talamalai range and a portion of Satyamangalam range in *North Coimbatore* and a portion of the Jakkanare slopes in the *Nilgiris*, comprising a total area of 570 square miles. Reconnaissances for $43\frac{47}{64}$ square miles only, *i.e.*, for Walayar and the outer slopes of the Anamalais, were received during the year and returned to him with instructions for the preparation of working-plans. Since the close of the year reconnaissance reports for the remaining areas have been submitted by the working-plans officer, and returned to him with instructions. A revised working-plan for Walayar was prepared and also two plans covering the whole of the outer slopes of the Anamalais. The Walayar plan and one of the two last were submitted to the Board.

The following details of work done are given in the District Reports.

Northern Circle.

A preliminary report on the sál-forests of *Ganjàm* was submitted by Mr. Cox and will form a useful basis for a working-plan. Mr. F. Cowley-Brown made a valuation survey of Suradá and Bugada ranges.

In *Vizagapatam*, two working-plans were under preparation and awaited submission, together with a grazing scheme, after sufficient experience in departmental working has been gained.

In *Gódávari*, some modifications were suggested and proposals made to the Conservator of Forests, with regard to the plantation and other working-plans of the delta range on the advice of the late Inspector-General of Forests, and a report was also submitted to him on the Coringa reserve of the same range. 102 acres were planted with casuarina and 13·2 acres were felled in the Bendamurlanka and Kandikuppa plantations in accordance with the sanctioned plan. A sum of Rs. 400 was realized by the latter operation. Two coupes of Kandikuppa reserve, Mangrove block, aggregating 751 acres, were sold for Rs. 510; and a coupe of 80 acres in Jadikalupudi reserve was sold for Rs. 45. The low amount realized in the former case is attributed to want of demand from local villagers who are fisher-folk and poor. Thinnings were carried out in Bendamurlanka and Narasapur plantations over an area of about 21 acres and a portion of the produce was sold for Rs. 439. Two coupes of 33 acres in Kogida reserve were treated under the coppice with standard system and Rs. 137–9–0 were realized. Two coupes of 80 acres in Devancheruvu reserve and one of 8 acres in Mallavaram reserve were worked under the same system and a sum of Rs. 437 realized. An area of 1,796 acres was located in Upputeru, Rameswaram and Murari reserves for the removal of fuel on permit, the receipts being Rs. 1,652. The provisions of Thotapalli reserve working-plan were not carried out for want of demand owing to the cheap rates prevailing in the adjoining Pithápuram estate forests. In about 2 square miles of Rekapalli hills, selection fellings of *Xylia dolabriformis* were carried out and the outturn was 9,490 cubic feet which fetched Rs. 2,365.

In *Kistna*, preliminary working-plans covering an area of 8,000 acres in Kondapalli reserve were prepared by the Special Working-plans officer for supply of railway fuel and 100 tons were supplied during the year. As in the previous years, the rough plans prepared for two reserves had to be set aside in the absence of demand for wood proposed to be cut in them. The tenderer for a coupe in Guntúr babul working-circle failing to comply with the conditions of the notice, forfeited his earnest

deposit of Rs. 100 and his tender was rejected. The provisions of Gopuvanipalem casuarina plantation scheme were carried out, and a large portion of one of the coupes in the area clean-felled was replanted.

In *Kurnool*, a working-plan for the Nallamalais covering an area of 158 square miles prepared by the Special Working-plans officer was sanctioned by the Board and three coupes of a total area of 1,376 acres were felled giving an outturn of 4,631 tons of railway fuel and 92 tons of lighting, etc., fuel—an average of $3\frac{1}{2}$ tons per acre against an estimate of 6 tons.

In *Bellary*, the provisions of the working-plan of the eastern slopes of the Ramandrug range were given effect to. A Ranger was deputed to collect statistics with a view to have working-plans prepared for Adóni and Bellary ranges, and he has submitted his report to the District Forest-officer for the former and collected statistics for some of the reserves in the latter. A certain number of coupes in Donimalai range and on the western slopes of Ramandrug were worked departmentally according to Mr. Muttannah's proposals referred to in the last annual report, and all but one proved financially successful. A coupe leased to a contractor was not properly worked owing to careless supervision by a Ranger. A portion of the produce cut departmentally was removed to depôts at Hospet and Tornagallu, and the balance sold to contractors *in situ*. Hundred acres in Hyerade reserve were opened for charcoal burning at Rs. 2 per acre and 35 fuel stacks were sold for the same purpose at Rs. 2 per stack. For reasons recorded in previous reports, the Khojjipalli working-plan in *Anantapur* could again not be worked up to.

Central Circle.

The area cut over in Balapalli working-circle, the only area for which a working-plan has been sanctioned in *Cuddapah*, was 77 acres. The contractor who worked the area not having removed the whole quantity cut, the yield per acre has not been furnished.

In *Nellore*, no new working-plans were prepared, the most important reserves and plantations having already been brought under systematic working. Of the five working-plans referred to in the previous year's report and brought into force from 1st April 1901, the working of two was given to contractors and there were no offers for working the rest. Six coupes in Nellore, Vavveru and Kothapalli, portion of Kávali, Sarvapalle, Coast, and Sríharikóta reserves, were worked in accordance with approved plans, but the working of seven other coupes had to be postponed for want of offers. The system of volume measurement in place of weighment and of sale of the standing growth instead of departmental felling and sale was introduced in the working of casuarina plantations. The right of felling and removal in two compartments was leased to contractors for Rs. 5,400. One compartment was given to a contractor for felling at his own expense and removal at a fixed rate per stack. The outturn was 2,153 tons against 2,787 tons estimated in the working-plan. One compartment was worked departmentally and the outturn was 4,235 tons against 4,958 tons estimated in the working-plan. Three compartments were leased to contractors for Rs. 15,275 from 1st April 1901 and two are being worked departmentally. Only 927 acres were actually leased out under working-plans against 4,251 estimated, the chief reason being absence of demand. The net revenue realized by departmental working was Rs. 6,520 against Rs. 22,739 in the previous year. The decrease is due to the large quantity of unsold wood lying in the plantations. The net revenue realized from coupe sales to meet the local demand for fuel was Rs. 7,406. The parcellaire scheme sanctioned in the previous year was brought into force and 16 parcelles were thrown open; 26,919 cattle were admitted. The receipts were Rs. 4,024 and the expenditure Rs. 3,269, leaving a net revenue of Rs. 755. A scheme for goat-browsing was submitted to the Conservator for approval and has since been dealt with by the Board.

In *Chingleput*, working-plans for Kambakam, Kadur, Arudur, Vandalúr, Gudalur and Oragadam reserves were sanctioned during the year, and two plans for Tirukkazhikkundram, Madayathur, Illalur and Alattoor reserves have been submitted for sanction.

The net profit, realized by sale of coupes, varied from Rs. 1–14–0 to Rs. 3–10–0 per acre, except the Kambakam, Chintalkona coupe of 200 acres which yielded a profit of Rs. 6 an acre, and Pulrampakam coupe of 43 acres which yielded Rs. 21. Vandalúr coupe of 68 acres and Gudalur coupe of 115 acres were worked departmentally and Rs. 2–6–3 and Rs. 1–9–9 per acre respectively were realized.

In *South Arcot*, *Salem*, *Trichinopoly* and *Tanjore*, the existing working schemes were all adhered to during the year, except that for the upper anicut padugais in *Trichinopoly* which was again deviated from for reasons explained in previous years' reports.

In *South Arcot*, no progress was made during the year in the preparation of working-plans. In the Annamalai reserve, one coupe of 31·85 acres was divided into two equal parts and each sold separately—the working of one of which was saddled with the conditions that the contractor should clear thorns and undergrowth and fence the area. The former fetched a rate of Rs. 9–11–9 per acre, against Rupees 11–11–0 by the latter, which is not considered satisfactory. 64 acres of fuel coupes were sold for Rs. 7,395 against Rs. 5,509 estimated for in the working-plan. The price obtained is satisfactory.

In *Salem*, eight working-plans for Shevaroys, Chitteri, Ponnaiyár and Krishnagiri reserves covering an area of 219 sq. miles were sanctioned during the year and three other plans for Alangayam, Kowramalai and Harur blocks of an area of 189 sq. miles have been submitted for sanction. Statistics are being collected for the remaining areas in Tiruppattúr, Uttangarai, Salem East and Salem West ranges. As sanction for the new plans was accorded only about the close of the year, no progress can yet be reported. Owing to the unfavourable season, all coupes over three years of age were thrown open for grazing during the second half-year, and on account of scarcity of water cattle licensed for reserves where there was no water were permitted to graze in the adjoining reserves where the animals could be watered. Goat-browsing was allowed in nine reserves unsuited to railway fuel supply on account of distance from railway line.

In *Tanjore*, the prescriptions of the working-plans of the Vettangudi reserved forest and Tirumulaivásal casuarina plantations were adhered to and an area of 178 acres in the former was sold and fetched Rs. 650 against Rs. 880 in the previous year. One compartment (30 acres) of the north casuarina plantation and another (15 acres) of the south casuarina plantation (felled on contract) fetched an average rate of Rupees 3–12–0 per ton of billets and As. 12 per ton of brushwood.

Southern Circle.

In *South Canara*, coupe V of Sarpanamane working circle was treated under coppice with standards by a contractor who paid Rs. 440. Preliminary working schemes for Gunduberpare, Jannulane and Korakopaduhola reserves have been prepared and are now kept over pending arrival of the Special Working-plans officer.

In *North Malabar*, no plans were prepared.

In *South Malabar*, the Chenat Nair reserve could not be worked in strict accordance with the rough preliminary working scheme on account of high rates demanded for felling and dragging and also because there was no adequate supervision as the subordinates were mostly engaged on sleeper operations. One thousand and forty-nine *Hopea parviflora* trees were, however, felled on the selection system and for the most part converted into sleepers. The Walayar working scheme was in course of revision by the Special Working-plans officer. Thinning operations with weeding were conducted according to the plan over an area of 696 acres in the Nilambúr teak plantation at a cost of Rs. 451 and 18,035 saleable saplings were cut. The prescriptions of the working-plan for the natural forests of the Nilambúr valley were followed. One coupe of 730 acres was worked on the selection system and the outturn was 34,138 cubic feet or about 47 cubic feet per acre. Another coupe prescribed for the current year was also felled during the year under report as the

quantity of sound timber in stock was insufficient for the supply of sleepers. One hundred and twenty-five acres in coupe I of Karimpoya reserve cleared during the previous year at a cost of Rs. 3,649, were planted up during the year at a cost of Rs. 1,165. In the same coupe, another block of 123 acres was cleared and prepared for planting. The operation cost Rs. 3,877, but the timber cut was sold for Rs. 4,611. The revised planting scheme for the Amarampalam range approved of by the Conservator is being brought into force.

In the *Nilgiris*, a quantity of *Terminalia tomentosa* timber was felled for sleepers in the Benne forests according to the preliminary plan referred to in the previous report. Mr. Gamble's working-plans for the Ootacamund and Coonoor plantations, modified according to the demand, were followed, the method of treatment being simple coppice, while the plan for the fuel plantations of Ootacamund drawn up by Mr. Tireman was, as in previous years, held in abeyance, the demand not yet justifying its introduction. No improvement fellings were carried out in Mudumalai range owing to the time and attention of the establishment having been so much taken up with sleeper operations. Sandalwood roots wherever found were extracted and dead sandal trees were cut.

In *North Coimbatore*, the provisions of the sanctioned working-plans for the sandalwood areas were carried out. A tentative plan for Bailur and Mahadeswarhamalai sandalwood working circles, based on the system adopted by Mr. P. M. Lushington for similar working circles, was approved of by the Conservator. The preparation of plans for working bamboo coupes in Satyamangalam and Talamalai ranges has been abandoned for the present, the prospects of working them successfully being remote. The fuel coupes referred to in the previous reports were worked over smaller areas with greater success. Proposals for the extraction of dead and dying timber trees of valuable species in conjunction with sandalwood felling are under consideration. The extraction of *Hardwickia binata* found on the eastern side of the division is reported to be impossible at present for want of sufficient establishment. It has yet to be decided if the working-plan for Thottampalayam working circle, a portion of Vellamundi reserve, sanctioned by Board in July 1896, be continued or revised.

In the Ayerangal working circle of *South Coimbatore*, the coupe prescribed for the year under report was not cut as the large stock of fuel on hand at the commencement of the year could not be disposed of, and it is being felled during the current year. Of the stock, 1,783 stacks, referred to in the previous report, 1,104 were sold. In Singaratope working circle a portion of the coupe prescribed for the year was cut. The outturn was 498 stacks, leaving 102 stacks to be cut. The total outturn thus amounts to 600 stacks against 350 estimated in the working-plan and the net revenue will be Rs. 750 against an estimate of Rs. 262-8-0. In Chinnar working circle the two coupes prescribed for the year were not cut for want of demand occasioned by the adjoining private contractors of *South Malabar* supplying firewood to the important centres of demand in Coimbatore town. The felling in the coupe, commenced in the previous year, was completed and the total outturn was 1,468 stacks against 1,207 estimated for in the working-plan. 821 stacks were sold for Rs. 1,247-6-0.

In *Madura*, the provisions of the working-plans for Palamedu and Kanavoipatti ranges were partly carried out. In Palamedu range, of the 20 coupes of 951 acres prescribed for the year 15 coupes of 820 acres were sold for Rs. 4,500, and in Kanavoipatti range, of the 38 coupes of 2,092 acres prescribed, only 10 coupes of 622 acres were sold for Rs. 4,872. The non-sale of a large number of coupes in the latter range was mainly due to the slackness of the Ranger in charge in putting the coupes up for sale but also to poor demand and substitution of coal for wood fuel by the railway. In accordance with the working-plan, goats were allowed to browse in the reserves during the latter part of the year. A working-plan of 108·46 sq. miles for the whole of Cumbum range was prepared by the Divisional-officer Mr. Porter and has been since sanctioned.

In *Tinnevelly*, four working-plans were prepared by the District Forest-officer Mr. P. M. Lushington, of which two were sanctioned and two await sanction. Of the twelve plans previously sanctioned, work was carried on in eight only. The District Forest-officer proposes to throw Koilteri and Pannimamudukuteri working circles into one,

omitting the steeper coupes as unsuitable for working under coppice with standard treatment. The plan of Thirukurungudi working circle having been found unworkable, will be revised by the District Forest-officer and work in the Sivasaiylam working circle will be suspended after the present coupe is completed. Working-plans for the timber forests of Ambásamudram and Nángunéri ranges are under preparation. The coupe of Rangarkoil working circle referred to in the previous year's report, was again given a rest during the present rotation. Small portions of some coupes of the different working circles were left unworked at the close of the year for various reasons.

It is proposed to utilize the services of the Special Working-plans officer of the Northern Circle mainly in *Ganjám*, *Gódávari*, *Kistna* and *Kurnool*, while in the Central Circle the special officer will be required chiefly in *North Arcot*, *Salem* and *Cuddapah*; the remaining districts in each circle being for the most part dealt with by their Divisional-officers. In the Southern Circle, the Special Working-plans officer will prepare plans for the forests of *North Coimbatore*, *South Coimbatore*, *North Malabar* and *South Canara*. The work in *South Malabar* is completed and there remains little to be done in the *Nilgiris*. *Madura* and *Tinnevelly* district forests are being completed by their respective Divisional-officers. It is hoped that the work for this circle will be almost finished by the close of the forest year 1901–1902.

(*b*) *Annual Plans of Operations.*

20. The annual plans of operations were deviated from in almost all the districts of each circle.

Northern Circle.

In *Ganjám*, the programme was revised. Supply of sleepers was not undertaken. The estimate for the Kullada-Tilsingi road work had to be revised considerably as it was considered inadvisable to repair the whole length. The construction of a rest-house and two range quarters was postponed. The construction of a Range office at Palkonda and a road to Sarugudu were abandoned as they were not necessary. In *Gódávari*, a new staff boat was built instead of repairing the old one which was condemned by the Public Works Department. The full programme of road work could not be carried out owing to the prevalence of fever in Rekapalle range and the range officer being otherwise occupied in connection with the illicit removals of timber with the connivance of Kunavaram gumasta. In *Kistna*, some of the roads were not undertaken, the budget provision having been reduced by Government. In *Kurnool*, felling of fuel for supply to railway was undertaken in Chalama and Digumetta blocks instead of improvement fellings. The construction of a road in Nandyal range was postponed for want of an accurate map of the country and the construction of a rest-house in the same range cannot be started before the above road is constructed. On the other hand, the construction and repair of certain roads and buildings not provided for in the plan of operations were undertaken. In *Anantapur*, the opening of a cart-track in Nyalakota reserve and construction of two rest-houses were postponed. Owing to the drought that prevailed, cultural operations were not fully carried out.

Central Circle.

In *Cuddapah*, 1,000 tons of redwood stumps and roots provided for were not collected for want of demand owing to the depression of the market. Road works and repairs to certain buildings were not done as they were not considered urgent. In *Chingleput*, several coupes remained unsold for want of demand, and owing to the unfavourable character of the season, cultural operations were not fully carried out. The construction of a rest-house in Singaperumálkóyil was abandoned as it was found unnecessary. In *South Arcot*, casuarina felling in coast plantations was not undertaken as there was no demand from the jail department. Owing to the illness of the Range officer, Tiruvannámalai, and his subsequent prosecution in a criminal case, no progress was made under demarcation and buildings. In *Trichinopoly*, the felling and supply of casuarina poles and fuel to the Boer camp and the demarcation of certain blocks not provided for in the plan of operations, were undertaken. No information on the subject has been given in the report for *Salem*.

Southern Circle.

In *South Canara*, the carrying out of the works provided under A-VII (*a*) and (*b*) and VIII (*g*) had to be postponed, as in the previous year, to provide funds for the more urgent work of final demarcation on account of the Survey of India operations. In *North Malabar*, the transport of firewood to Tellicherry was abandoned as the operation did not prove remunerative on a former occasion. Owing to the absence of demand, further collection of gum-kino was stopped. Elephant capturing operations were not conducted for want of subordinates to attend to them. The demarcation of a reserve and some building works in the division were postponed for want of funds on account of sleeper operations and the final notification for the reserve not having been published. A small quantity of timber only was felled for want of elephants for dragging. In *South Malabar*, the felling of coupe VII of the natural forests of the Nilambúr valley, construction of two ferry boats and felling of *Hopea parviflora* in the Chenat Nair reserve not provided for in the programme were carried out, while the floating of saplings to Kallai depôt was stopped, as they were sold in the plantations themselves. New elephant pits were not considered necessary and the right of collection of minor produce was leased out. Road and building works had to be postponed on account of the more urgent sleeper operations. In *North Coimbatore*, as in the previous year, the chief deviations were the construction of the minor produce godown with outhouses at Satyamangalam and the tracing of and preparation of plans and estimates for a road from Kempanayakanpalayam to Bailur. This was a difficult work involving much extra labour, done single-handed in a short space of time and in a creditable manner by the District Forest-officer, Mr. A. W. Lushington. The plans and estimates were sent to the Public Works Department for scrutiny, and the estimate of cost has been pronounced to be quite inadequate owing to the great natural difficulties presented by the country to be traversed by the road. In *South Coimbatore*, elephant capturing operations could not be undertaken for want of suitable trained elephants. Felling of posts and poles in the extension of Sholakarai working circle was, as in the previous year, not carried out owing to absence of demand. Felling of fuel in Ayirangal and Chinnar working circles was also postponed for reasons given under working-plans. The construction of a range quarters and two inspection sheds in Udamalpet range was postponed as they were not considered urgent. Some additions were made to the sawmill and wire ropeway. Six carts and ten pairs of bulls were purchased for tramming timber to overcome the unexpected difficulty of no contractor coming forward to cart the full quantity. In *Madura*, the construction of roads in coupes was not undertaken as the lines were not traced and as there was a long delay in the acquisition of lands. The construction of a rest-house at Kombai was postponed. In *Tinnevelly*, the construction of the Kallar bridge was postponed. Repairs to roads and buildings in two ranges were postponed for want of proper establishment to carry them out. No information on the subject has been given in the report for the Nilgiris.

(2) Working of the Year.

(*a*) *Roads and Communications.*

21. The subjoined statement shows the progress made and expenditure incurred on "Communications and Buildings" during the year under report as compared with the previous year:—

	1899–1900.	1900–1901.
	Rs.	Rs.
Roads and bridges	33,229	32,483
Buildings	43,931	42,377
Other works	9,148	6,960

The decrease in the first two items is not large and is due for the most part to the fact that important and urgent works only were taken in hand.

In the Northern Circle, a sum of Rs. 7,807 was spent on "Roads and Bridges" against Rs. 12,635 in the previous year. The decrease was due to smaller outlay incurred on roads in *Gódávari and Kurnool*, chiefly, in the former, owing to the prevalence

of fever in Rekapalle, and to the postponement of the construction of a road from Bandlapenta to Tekulapenta in the latter. In *Ganjám*, some minor works and repairs were carried out. In *Vizagapatam*, a bridle-path in the Palkonda agency was made to a distance of 5 miles at an average cost of Rs. 80 per mile. In *Kistna*, none of the roads undertaken could be completed owing to the fact that the submission of estimates was deferred pending the District Forest-officer's inspection of the localities. Twenty-nine miles of existing roads were repaired at a cost of Rs. 422. In *Bellary*, no new works were carried out owing to the Range officer being engaged on felling operations, etc. In *Anantapur*, four new roads were made at a cost of Rs. 482.

In the Central Circle, the amount expended on roads was Rs. 9,981 against Rs. 5,232 in the previous year. The major portion of the expenditure was incurred in *North Arcot* where the Patracad ghât road was extended by 16 miles at a cost of Rs. 4,788, and this completes the third section of the road. 134 miles were repaired at a cost of Rs. 3,100 against 105 miles at a cost of Rs. 1,167 in the previous year. The increased expenditure during the year under report was due to the repair of abandoned local fund roads. In *Salem*, four bridle-paths were opened at Rs. 1,383. The new works and repairs carried out in *Trichinopoly* and other districts were small and unimportant.

In the Southern Circle, the expenditure on roads amounted to Rs. 14,695 and the bulk of this amount was spent on repairs, chiefly in *North Malabar*, *the Nilgiris*, *North* and *South Coimbatore* and *Tinnevelly*. In *North Malabar*, a sum of Rs. 2,216 was spent on repairing 78 miles of the existing roads, especially the Chedleth-Sultan's Battery road of much importance for timber transport. In the *Nilgiris*, Rs. 1,587 were spent in opening a new road through the Jakanare slopes and in repairing the existing roads and inspection paths, chiefly the Benne-Mukkatti road which had to be repaired frequently and in difficult ground for removal of sleepers. In *North Coimbatore*, a sum of Rs. 3,411 was spent in repairing four ghât roads (52 miles), and Rs. 472 on new roads, the major portion of which was spent in completing the trace from Kempanaikenpalayam to Bailur referred to in paragraph 20 of the previous year's report. 30 miles of the existing roads in *South Coimbatore* were repaired at a cost of Rs. 1,810 and Rs. 376 were spent on new works and extension of the tramway. During the year, the Karalai road of about 5 miles in length in *South Malabar* was, under orders of Government, transferred to this department from the Local Fund department. In *Tinnevelly*, the construction of the Krishnapuram valley bridle-path undertaken during the year was found by the District Forest-officer to be under-estimated and has not yet been completed.

Under "Buildings", the most important works of the year in the Northern Circle were the construction in *Kurnool* of rest-houses at Digumetta, Velgode, and the commencement of another at Pecheruvu. In *Ganjám*, the construction of the range quarters at Buguda was completed during the year. A portion of the old Taluk cutcherry at Palkonda consisting of five rooms was handed over by the Public Works Department for the location of a Range office there. As two rooms would be sufficient for a Range office, the remaining three rooms will be converted into a Ranger's residence, if necessary. In *Kistna*, the construction of four new range camps was undertaken, but one only was completed before the close of the year. In *Anantapur*, the construction of a rest-house at Amagondapalaiyam was not completed for want of proper supervision of the work of the contractor. Repairs to the existing buildings were carried out in all the districts, and houses for subordinate establishments were also built in all the districts except *Kistna*. In the Central Circle, a few rest-houses were constructed in *North Arcot* and *Salem*. In the former district, a rest-house at Mamandur and a Range officer's quarters at Kylasagiri were in course of construction. Houses for subordinate establishments were constructed in *Cuddapah* and *North Arcot*. Sundry repairs to the existing buildings were also made in other districts. In the Southern Circle, the chief works of importance were (1) the construction of mahouts' line at Chedleth in *North Malabar* at a cost of Rs. 1,645; (2) the completion of minor produce godown at Satyamangalam in *North Coimbatore*; (3) extension of the saw-mill at Mount Stuart and construction of several tanna sheds in different ranges in *South Coimbatore*; (4) construction of a rest-house at Virupatchi in Madura; and (5) extension of Courtallum rest-house in *Tinnevelly* at a cost of Rs. 1,044. No progress

was made in the construction of the new District Forest-office at Nilambúr and the Attapadi valley bungalow in *South Malabar*, as the establishment was fully engaged on sleeper operations. There were no works of importance in other districts, but small construction works and repairs were executed in all.

Tramways.

22. In the Sríharikóta and coast ranges of the Nellore district, 2½ miles and 7½ miles length of tramway, respectively, were in use during the year under report. Three thousand four hundred and fifty tons, or 8,626 ton miles, as against 19,666 in the previous year were carried in the former, while the result in the latter was 10,434 tons or 21,881 ton miles against 13,074 in 1899–1900. The system of dragging the trucks by buffaloes introduced in the previous year proved a failure, and the old system of dragging by men was returned to. In *South Coimbatore*, 10 pairs of bulls were purchased at a cost of Rs. 1,487–12–0 in accordance with the sanction of the Board referred to in the previous year's report. The total quantity of timber trammed during the year was 39,832 cubic feet against 36,143 cubic feet in the previous year. Of the quantity trammed during the year under report, 5,599 cubic feet were trammed by the 10 pairs of Government bulls. As in the previous year, the tramming contractor refused to tram a larger quantity. The total cost of tramming, as compared with the estimated cost of carting before the introduction of the tramway, shows a net loss of Rs. 1,704 during the year due to the debit of half the cost of purchase of 10 pairs of bulls and their feeding for six months and the comparatively small outturn of work done by them as they were new to the work and untrained. It may be mentioned incidentally that they are working well this season. The orders of Government on the best manner in which to arrive at a correct estimate of the value and utility of the tramways as compared with carting were communicated to the Conservators of the Central and Southern Circles and were given effect to, in Form No. 65.

(b) Protection of forests from injury.

(1) General protection and breaches of Forest laws.

23. The following statement compares the new cases of the year with those of the preceding year:—

Circle.	Year.	Number of cases pending at the commencement of the year.	New cases of the year.					Total cases.	Cases pending at the close of the year.
			Injury by fire.	Unauthorised felling, &c.	Illicit grazing.	Other offences.	Total new cases.		
Northern	1899–1900	629	27	2,728	1,891	301	4,947	5,576	602
	1900–1901	*644	52	2,771	1,976	231	5,030	5,674	593
	Difference	+ 15	+ 25	+ 43	+ 85	— 70	+ 83	+ 98	— 9
Central	1899–1900	1,301	87	6,241	5,615	443	12,386	13,687	1,853
	1900–1901	*2,030	147	6,741	6,309	796	13,993	16,023	2,549
	Difference	+ 729	+ 60	+ 500	+ 694	+ 353	+ 1,607	+ 2,336	+ 696
Southern	1899–1900	430	209	1,846	841	221	†3,117	3,547	450
	1900–1901	*451	55	1,887	940	225	†3,107	3,558	e 546
	Difference	+ 21	— 154	+ 41	+ 99	+ 4	— 10	+ 11	+ 96
Presidency	1899–1900	2,360	323	10,815	8,347	965	20,450	22,810	2,905
	1900–1901	3,125	254	11,399	9,225	1,252	22,130	25,255	3,688
	Difference	+ 765	— 69	+ 584	+ 878	+ 287	+ 1,680	+ 2,445	+ 783

* *Vide* explanation in Form No. 50, for variations in opening balances. † Excludes petty offences.

The total number of new cases reported during the year increased by 8·2 per cent. for the Presidency, and the increase occurred under all heads of offences except injury by fire. The largest increase (12·97) per cent. was again in the Central Circle. In

Vizagapatam, *Bellary*, *Chingleput*, *South Canara* and *South Coimbatore* offences decreased by 16·4, 18·9, 17·5, 43·3 and 27·2 per cent. respectively and also slightly in *Ganjám*, *Gódávari* and *Tanjore*. The decrease is more than compensated for by increase in other districts, notably in *Kistna*, *Kurnool*, *Cuddapah*, *Nellore*, *North and South Arcot*, *Salem*, *Trichinopoly* and *Madura* where the numbers rose from 1,386, 711, 1,277, 578, 2,053, 3,008, 2,494, 947 and 825 to 1,492, 967, 1,632, 1,029, 2,739, 3,220, 2,592, 1,105, and 1,199 respectively.

Cases of injury by fire increased in the Northern and Central Circles especially in *Anantapur* and *North Arcot*. The increase was more than compensated for by a considerable decrease in the Southern Circle chiefly in *South Canara*, *the Nilgiris*, *Madura* and *Tinnevelly*. As remarked in the previous year, most of the cases remained undetected, as the offenders could not be traced, though the majority of the fires were believed to be due to incendiarism. The increase in *North Arcot* was due to the introduction of more system into the reporting of fires.

"Unauthorized felling" increased largely in *Kurnool*, *Nellore*, *North and South Arcot*, *Salem*, *the Nilgiris* and *Madura*. The increase was slight in *Kistna*, *Cuddapah*, *Trichinopoly*, *Tanjore* and *South Coimbatore*. In other districts, there was a fall in the number of offences of this description notably in *Bellary*, *Chingleput* and *South Canara*. The increase in *Nellore* and the *Nilgiris* has not been explained; that in *North Arcot* is considered to be the result of the scarcity that prevailed, while that in *South Arcot* is attributed to the increased vigilance of Revenue officers in checking removals from unreserved lands. The scarcity and the consequent want of employment for the labouring classes in Salem town, in spite of the work given them in coupes in the latter part of the year, accounts for the increase in that district. In *Kurnool* and *Madura*, the increase is attributed to better supervision exercised by the protective staff. As in the previous year, a considerable number of timber thefts was committed by the Kallars in the villages near the forests of Cumbum range, Madura district. The decrease in *Bellary* is attributed to better arrangements made for issue of permits by appointing a sufficient number of permit-issuing officers; that in *Chingleput* was on account of better supervision, while that in *South Canara* was due to the major portion of the establishment having been engaged in sleeper operations. Grazing offences showed an increase in *Ganjam*, *Kistna*, *Kurnool* and *Anantapur* in the Northern Circle partly counterbalanced by decrease in *Vizagapatam* and *Bellary*. In the Central Circle, there was an increase in all districts except *Chingleput* and *Tanjore*, and in the Southern Circle, in all districts except *South Canara*, *North* and *South Coimbatore*.

In *Godavari* and *South Coimbatore*, the number of cases reported was the same for two years, while in *North* and *South Malabar* and ths *Nilgiris*, it was nearly the same as in the previous year. The increase in *Ganjam* and *Anantapur* has not been explained, but that in *Kurnool* is attributed to better supervision.

In *Kistna*, the increase was the result of persistent attempts to graze in closed areas which had been previously open to grazing. The decrease in *Bellary* was due to better arrangements made for issue of permits, while that in *Vizagapatam* has not been explained.

The increase in the districts of the Central Circle is attributed in general to better supervision and to the scarcity which prevailed in certain districts. The decrease in *Tanjore* is attributed to indifference on the part of the protective staff. In *North* and *South Arcot*, it is now proposed to levy enhanced pound fees.

In the Southern Circle, increase occurred chiefly in *Madura* and *Tinnevelly* and is attributed to better detection.

There was decrease chiefly in *South Canara* and *North Coimbatore* due in the former case to the establishment having been otherwise engaged.

The result of the introduction of enhanced rate of pound fees in the Tiruvannámalai taluk, South Arcot district, during the past four years is given below.

Year.	Number of animals.	Pound fees.	Compensation.	Fines.	Total.
		Rs.	Rs.	Rs.	Rs.
1897-98	19,758	3,478	3,940	711	8,129
1898-99	18,722	3,940	2,710	823	7,473
1899-1900	11,433	2,728	2,105	528	5,361
1900-1901	11,494	2,757	2,487	691	5,935

The number of animals impounded were slightly in excess of those of the previous year, but considerably less than those of the first two years. The District Forest-officer is of opinion that the decrease is only apparent, as inspection of the forests and the list of punishments awarded to the protective staff for connivance at goat-browsing and for neglect of duty, show beyond doubt that all the offences committed were not detected. More stringent measures are considered necessary for putting down offences, and to this end, it is proposed to enhance the pound fees for goats to the maximum limit.

Under "other offences," there was increase in all the districts except *Ganjam*, *Vizagapatam*, *Gódávari*, *Kistna*, *South Arcot*, *Salem*, *Tanjore*, *North* and *South Malabar*, *North* and *South Coimbatore* and *Tinnevelly*. The increase occurred chiefly in *Cuddapah*, *Chingleput*, *North Arcot* and *Trichinopoly*. In *Cuddapah*, the offences were chiefly hunting, illicit cultivation and violation of timber transit rules. In *North Arcot*, most of the cases treated as "other offences" were undetected. In *Trichinopoly*, the increase was due to the detection of a large number of cases of unauthorized cultivation. The increase in *Chingleput* has not been explained.

The number of cases pending at the close of the year was 3,688 against 2,905 in the previous year.

24. The following abstract compares the disposal of offences during the year with that of the previous year:—

Circle.	Year.	Total.	Withdrawn.				Compounded.		Prosecuted.		Percentage of cases prosecuted to disposals.	Percentage of acquittals to cases prosecuted.
			Undetected.	Withdrawn.	Total.	Percentage of column 6 to col. 3.	Number.	Percentage.	Convicted.	Acquitted.		
Northern.	1899-1900..	4,974	170	620	790	15·8	2,822	56·7	1,165	197	27·5	14·5
	1900-1901..	5,081	211	510	721	14·19	2,889	56·86	1,317	154	28·95	10·47
	Difference.	+ 107	+ 41	—110	— 69	— 1·61	+ 67	+ ·16	+ 152	— 43	+ 1·45	— 4·03
Central.	1899-1900..	11,834	515	952	1,467	12·4	7,543	63·7	2,501	323	23·9	11·4
	1900-1901..	13,474	848	861	1,709	12·68	8,189	60·78	3,249	327	26·54	9·14
	Difference.	+1,640	+ 333	— 91	+242	+ ·28	+ 646	— 2·92	+ 748	+ 4	+ 2·64	— 2·26
Southern.	1899-1900..	3,097	347	352	699	22·5	1,289	41·7	959	150	35·8	13·5
	1900-1901..	3,012	122	287	409	13·58	1,326	44·02	1,110	167	42·40	13·08
	Difference.	— 85	— 225	— 65	—290	— 8·92	+ 37	+ 2·32	+ 151	+ 17	+ 6·60	— ·42
Total, Presidency.	1899-1900..	19,905	1,032	1,924	2,956	14·9	11,654	58·5	4,625	670	26·6	12·7
	1900-1901..	21,567	1,181	1,658	2,839	13·16	12,404	57·52	5,676	648	29·32	10·25
	Difference.	+1,662	+ 149	—266	—117	— 1·74	+ 750	— ·98	+1,051	— 22	+ 2·72	— 2·45

The percentage of acquittals to cases prosecuted decreased in all the three circles by 4·03, 2·26 and 0·42 per cent., the net result being a satisfactory improvement (2·45 per cent.) for the Presidency. Taking the districts individually, the acquittals increased by 8·3 per cent. in *Bellary* and 7·4 per cent. in *Anantapur*, the percentages standing as high as 13·7 and 22·7 respectively, and decreased in the other districts of the Northern Circle. The increase in *Bellary* is attributed to the neglect of Range officers to attend courts for conducting prosecutions, and that in *Anantapur* to

reluctance on the part of the Magistrates to accept the evidence of forest subordinates. The marked decrease in *Kistna* and *Kurnool* has not been explained but it is believed to be due to the care taken by officers in enquiry and report of offences and in conducting prosecutions in courts.

In the Central Circle, the percentage of acquittals increased in *Cuddapah* and *Tanjore* by 2·9 and 0·1 respectively, which was due to the larger number of cases taken before the Magistrates, and they decreased in *Chingleput*, *Salem* and *Trichinopoly* by 9·9, 3·0 and 7·7 respectively. The acquittals in *Tanjore* were 19 out of 112 cases tried by the Magistracy, and they are attributed to the Sub-Magistrate of Shiyali acquitting grazing cases on the ground of the prosecution evidence being unsatisfactory in spite of the animals grazed having been actually seized and impounded and got back by owners themselves or through third parties on payment of pound fees. The large decrease in *Chingleput*, *Salem* and *Trichinopoly* has not been explained.

In the Southern Circle, the percentage of acquittals increased in *South Canara* by 8·2 and in *North Coimbatore* by 4·4, while they decreased in *North Malabar*, *South Malabar*, the *Nilgiris*, *South Coimbatore* and *Tinnevelly* by 5·8, 8·6, 2·3, 6·2 and 8·9 respectively. The increase in *South Canara* was the largest, and is attributed to so much of the time of one Ranger having been taken up on sleeper operations and in another range to the dislike of the people to a Ranger who has since been suspended for a grave offence. In *North Coimbatore*, it was partly due to the unsatisfactory evidence given by subordinates whose conduct was duly taken notice of and punished and partly to the contradictory evidence of the village officers in cases of illicit fellings in unreserved lands. The improvement in the *Nilgiris* was the result of careful preliminary enquiry, while in *South Coimbatore*, it was also due to close scrutiny and to withdrawal of doubtful cases and those in which sufficient evidence was wanting. In *North* and *South Malabar*, there was one case of acquittal in each division out of 15 and 5 cases respectively tried by the Magistracy. The decrease in *Tinnevelly* has not been explained.

The percentage of cases withdrawn to cases disposed of increased slightly in the Central Circle and decreased in the Northern and Southern Circles, the net result for the Presidency being a decrease of 1·74 per cent. Taking the districts in order, there was a very slight increase in *Gódávari*, *Kistna* and *Anantapur* in the Northern Circle which was more than counterbalanced by a falling off in *Ganjám* (19·4 to 19·0 per cent.), *Vizagapatam* (15·9 to 14·1 per cent.), *Kurnool* (17·5 to 13·8 per cent.) and *Bellary* (15·4 to 11·5 per cent.). The percentage in *Gódávari* is the highest in the Presidency and is attributed to the withdrawal of a large number of cases with a warning to the offenders. The slight increase in *Kistna* is attributed to the large number of cases carelessly reported by Range officers and subsequently withdrawn, while that in *Anantapur* was due to the withdrawal of cases in which evidence was found insufficient and to the letting off of offenders in some petty cases with a warning or after they had purchased grazing permits. In *Kurnool*, a large number of old cases had to be withdrawn partly because the offenders belonged to wandering tribes and partly because of the delay of the Magistrates in taking up for trial compounded cases sent up for trial after failure to pay compensation fees. The decrease in *Bellary* is ascribed to the better detective work of the subordinates, while that in *Ganjám* and *Vizagapatam* has not been explained.

In the Central Circle, there was an increase in *North Arcot* partly counterbalanced by a decrease in other districts except *South Arcot*, the percentage of which was the same as that of the previous year. The increase in *North Arcot* was on account of the accused in a large number of cases having migrated to seek for work on account of the scarcity that prevailed in the district. The high percentage of 16·8 in *South Arcot* was due to the inclusion of large numbers of undetected cases and to the fact that 93 old cases had to be struck off, most of the offenders being Irulars (jungle tribe) who are very difficult to get into Court and also on account of the delay in conducting prosecutions by the neglect of some range officers. Of other districts in the circle, the improvement in *Chingleput* was the result of the preliminary enquiries held by range officers before sending up reports, and in *Salem* 22 cases were withdrawn for insufficient evidence or with a warning and cancellation of permits, and in some cases on account of the offenders who were coolies employed on the Yercaud ghaut road having

absconded. The percentage of withdrawals in *Nellore* was the highest in the circle in spite of the marked decrease of 8·4 during the year under report, and it was due to the withdrawal of a very large number of cases after the offenders had purchased permits. The decrease in *Cuddapah*, *Trichinopoly* and *Tanjore* has not been explained.

In the Southern Circle, the decrease occurred in all districts except *South Malabar* in which the increase was due to the withdrawal of cases of unauthorized clearing of land for cultivation in Yakampathuvai hill as the ownership of the hill is disputed and to letting off of the accused in two petty cases with a warning. In *North Coimbatore*, cases of straying cattle and permissible cutting of trees in unreserved lands were withdrawn. The decrease in *South Coimbatore* was on account of a less number of cases reported in which evidence was insufficient. The decrease in *South Canara*, *North Malabar*, the *Nilgiris*, *Madura* and *Tinnevelly* has not been explained.

The percentage of cases compounded increased in the Northern and Southern Circles by ·16 and 2·32 per cent., respectively, and diminished in the Central Circle by 2·92 per cent., the net result for the Presidency being a slight decrease of ·98 per cent. Taking the districts in order, the increase in the Northern Circle occurred in *Vizagapatam*, *Gódávari*, *Bellary* and *Anantapur* partly counterbalanced by decrease in other districts.

In the Central Circle, the decrease occurred in *Cuddapah*, *North Arcot*, *South Arcot*, *Salem* and *Tanjore* partly counterbalanced by a large increase in *Nellore*, and a slight increase in *Chingleput* and *Trichinopoly*. The decrease in *South Arcot* was due to a large number of compounded cases having been subsequently sent to the Magistrates for trial for failure to pay compensation fees, while that in *Tanjore* was on account of the offenders preferring to be tried by a Magistrate.

In the Southern Circle, the increase occurred in all districts except *North and South Malabar* and *Tinnevelly*. The increase in the *Nilgiris* and in *South Coimbatore* was the result of compounding all offences of a petty nature instead of taking the offenders before a Magistrate. The variations in other districts have not been explained, but as stated in reports of previous years, as a general rule, the more serious offences alone are prosecuted, while those of a petty nature in which there is abundant and admitted proof of guilt are compounded. The amount of compensation fees realized during the year and the average amount per case and per person involved are compared with those of the previous year in the following statement:—

Circle.	During 1899-1900.			During 1900-1901.		
	Amount realised.	Average per case.	Average per person accused.	Amount realised.	Average per case.	Average per person accused.
	RS.	RS. A. P.	RS. A. P.	RS.	RS. A. P.	RS. A. P.
Northern	16,495	5 13 6	1 14 1	20,763	7 3 0	2 5 3
Central	49,042	6 8 1	2 14 3	52,858	6 7 3	3 4 1
Southern	6,709	5 3 3	2 1 5	6,408	4 13 4	1 12 0
Total ..	72,246	6 3 2	2 7 11	80,029	6 7 3	2 12 5

The average amount paid per head increased in the Northern and Central Circles as well as in the Presidency generally, while it decreased in the Southern Circle. There was a corresponding increase in the total amount realized in the Northern and Central Circles and a slight decrease in the Southern Circle, the net result being an increase for the Presidency. The cause of increase in the amount was the rise in the number of cases compounded. In *Gódávari*, *Kistna*, *Anantapur*, *Cuddapah*, *Nellore*, *North Arcot*, *Trichinopoly*, *North Malabar*, *the Nilgiris*, *South Coimbatore* and *Madura*, there was an increase in the amount collected, while there was a decrease in *Ganjám*, *Vizagapatam*, *Kurnool*, *Bellary*, *Chingleput*, *South Arcot*, *Salem*, *Tanjore*, *South Canara*, *South Malabar* and *Tinnevelly*. The amount realized in *North Coimbatore* was the same as that of the previous year. The large increase in *Gódávari* was due to the compensation of Rs. 5,084 collected in a timber theft case. In *Anantapur*, the increase was due

to the larger number of cases compounded and to the levy of larger amounts in tracts in which the ryots resisted taking permits and where illicit grazing was common, while that in *Nellore* was due to the larger number of cases detected and compounded owing to the introduction of the parcellaire system and to the closing of areas to grazing according to the provisions of working-plans. The increase in *Cuddapah* was due to the larger number of cases compounded and to the levy of higher rates of compensation for goat-browsing and violation of Timber Transit Rules. The increase in *North Arcot* was due to the levy of large amounts of compensation from old offenders and in cases of illicit browsing. The increase in *the Nilgiris* and *South Coimbatore* is attributed to the larger number of cases compounded and to the levy of larger amounts, while that in *Kistna*, *Trichinopoly*, *North Malabar* and *Madura* has not been explained. The decrease in *Bellary* is attributed to the petty nature of the offences reported ; that in *Salem* to the smaller number of cases compounded, while in *Tanjore* it was due to the fact that the accused in many of the compounded cases preferred enquiry and the chance of lighter punishment by Magistrates. The decrease in *Ganjám*, *Vizagapatam*, *Kurnool*, *South Canara*, *South Malabar* and *Tinnevelly* is believed to be due to the smaller number of cases compounded, while that in *Chingleput* and *South Arcot* has not been explained. A fruit lessee in *Ganjám* found to have carelessly started a fire in a reserved forest was sentenced to 20 days' rigorous imprisonment. Cases of careless setting fire to reserved forests in *Vizagapatam* were not prosecuted since the object of fire-protection did not appear to be properly understood and appreciated by the hillmen. In *Gódávari*, important illicit removal of timber in excess of the quantity mentioned in the permits with the connivance of the Kannavaram revenue gumastah in rafts from Bhadráchalam sub-division was detected and compounded for Rs. 6,000, of which Rs. 5,084 was collected from the merchants concerned inclusive of value of timber removed in excess. The revenue gumastah is being prosecuted under section 167 of the Indian Penal Code, but no reason is assigned for not having prosecuted the other offenders. A case of illicit removal of timber from Hyderabad on false permit was detected in the Ellore range, *Gódávari* district. Of the eleven accused in the case, two were fined Rs. 100 each and nine Rs. 20 each. Eighty teak logs and 20 carts were ordered to be confiscated. In *Kurnool*, a case of illicit removal of lighting fuel for supply to the Madras Railway with the connivance of the subordinates was detected in Pattikonda range. The accused was fined Rs. 200 and all the subordinates concerned were dismissed. Another case of illicit removal of fuel from unreserved lands with the connivance of the village officers was also detected. The accused was fined Rs. 150 and the village reddi and forest talayari (watcher) were dismissed and the karnam was suspended to two years. In *Bellary*, the 30 days' time allowed for payment of compensation was increased to 45 days on the complaint of the Magistracy. In *Anantapur*, a case of illicit removal of a large quantity of manure leaves with the connivance of village officers was detected and is being tried by the District Magistrate. In *North Arcot*, two cases of illicit removal of red sanders were detected in Chandragiri range. In one case the dead fuel contractor of Chamala reserve for the past year managed to cut and remove 420 green pieces of red sanders, taking advantage of a flaw in his agreement. The case was tried by the Assistant Magistrate but was withdrawn on the accused agreeing to compound for Rs. 1,000. In another case 25 persons were charged with illicit cutting and removal of 143 green red sanders pieces from Mamandur extension reserve. All the accused except two (acquitted) were sentenced to various terms of imprisonment and fine. In *Salem*, seven cases of extensive illicit removal of Hardwickia timber and a case of theft of one cart-load of sandalwood were detected. Of the former cases, three were acquitted, two convicted and two are pending. Though in the three acquitted cases, the accused were unable to prove legal possession of timber, the Sub-Magistrate held that the burden of proof lay on the department and acquitted the accused. Of the four accused concerned in the sandalwood theft case, one was convicted, two were acquitted and one has absconded. In another sandalwood theft case, the accused was sent to Sendamangalam police station. The Station-house officer released him on bail, but he subsequently absconded. In *North Coimbatore*, a case of illicit import of 12 bags of sandalwood from *Salem* district was detected at Karur. Of the three accused charged, one was sentenced to 15 days' rigorous imprisonment, while the other two were acquitted. Two similar cases were detected at Satyamangalam, of which one resulted in conviction, while the other was withdrawn. A case of altering field stones and illegal

possession and sale of sandal trees, and another of illegal cultivation, were detected. The former resulted in conviction and the latter in acquittal. There were no cases of importance in other districts.

25. Rewards were, as a general rule, sparingly granted during the year. Rupees 279 were disbursed to informers (including Forest subordinates) and Rs. 46–8–0 to the subordinates of the Abkári Department, and no disbursements were made in the districts of *Vizagapatam*, *Kistna*, *Kurnool*, *Bellary*, *Cuddapah*, *Nellore*, *Trichinopoly*, *Tanjore*, *South Canara*, *North* and *South Malabar*, *South Coimbatore*, *Madura* and *Tinnevelly*. Small rewards were given to the subordinates of the Abkári Department in the districts of *Ganjám*, *Gódávari*, *Anantapur*, *Chingleput and North Arcot*. A reward of Rs. 15 was given to a forest guard in *South Arcot* for detecting a case of goat-browsing in the previous year. In the *Nilgiris*, a reward of Rs. 20 was given to twelve persons who rendered assistance in detecting a case of theft of honey by three Jain Kurumbers during night time. In *North Arcot*, *Salem* and *North Coimbatore*, rewards of Rs. 10, Rs. 12 and Rs. 130 to informers, and in *North Arcot*, Rs. 92 to subordinates were disbursed. The purpose for which they were granted has not been explained in the district reports.

The statements prescribed by the Government of India are appended :—

No. I.

Circle.	Cases taken into Court.				Cases compounded.			
	Injury to forests by fire.	Unauthorized felling or appropriation of wood and minor forest produce.	Grazing without permission or in tracts in which grazing is prohibited.	Other offences.	Injury to forests by fire.	Unauthorized felling or appropriation of wood and minor forest produce.	Grazing without permission or in tracts in which grazing is prohibited.	Other offences.
1	2	3	4	5	6	7	8	9
Northern	6	963	497	86	6	1,703	1,433	125
Central	12	2,046	1,639	265	8	4,348	4,441	490
Southern	18	812	487	126	7	1,016	433	88
Total ..	36	3,821	2,623	477	21	7,067	6,307	703

Circle.	Cases undetected.				Total cases.				Grand total of cases.
	Injury to forests by fire.	Unauthorized felling or appropriation of wood and minor forest produce.	Grazing without permission or in tracts in which grazing is prohibited.	Other offences.	Injury to forests by fire.	Unauthorized felling or appropriation of wood and minor forest produce.	Grazing without permission or in tracts in which grazing is prohibited.	Other offences.	
	10	11	12	13	14	15	16	17	18
Northern	40	105	46	20	52	2,771	1,976	231	5,030
Central	127	347	229	41	147	6,741	6,309	796	13,993
Southern	30	59	20	11	55	1,887	940	225	3,107
Total ..	197	511	295	72	254	11,399	9,225	1,252	22,130

No. II.

Division.	Details of prosecutions for offences by fire.					
	Serial No. of fire.	Areas burnt.	Character of offence (whether careless or intentional).	Whether acquitted or convicted.	Section of law under which convicted.	Amount of punishment.
Ganjám	1	100 acres.	Careless	Convicted	Section 21 (*b*) of the Madras Forest Act.	Sentenced to suffer rigorous imprisonment for twenty days.
Vizagapatam	1	(10 × 5) sq. yds.	Do. ..	Convicted (three accused.)	Rules under section 26 of the Madras Forest Act.	Two were fined Rs. 4 each, in default to suffer two days' rigorous imprisonment.
	2	(6 × 2) sq. ft.	Do. ..	Do. do.	Do. do.	Fined Rs. 3 each, in default to suffer two days' rigorous imprisonment.
	3	(30 × 15) „	Do. ..	Convicted (four accused.)	Do. do.	Two were fined Rs. 3 each, in default to suffer six days' rigorous imprisonment, and two fined Re. 1 each, in default to suffer two days' rigorous imprisonment.
	4	(5 × 10) sq. yds.	Do. ..	Convicted (five accused.)	Do. do.	Two fined Rs. 3 each, in default to suffer six days' rigorous imprisonment and two fined Re. 1 each, in default to suffer one day's rigorous imprisonment.
Gódávari	1	20 acres.	Intentional ..	....	....	Pending orders of the Sub-Divisional officer on the Range officer's occurrence report
Kistna	1	1 acre.	Careless	Compounded ..	....	Compounded for Rs. 3.
	2	10 cents.	Do. ..	Do.	....	Do. for „ 14.
Kurnool	1	About 4,000 acres.	Intentional ..	Convicted	Section 21 (*b*) of the Madras Forest Act.	Sentenced to suffer rigorous imprisonment for forty-five days.
Bellary	1	*Nil.*	Do. ..	Withdrawn ..	Do. do.	This case was shown as pending last year.
	2	Unknown.	Careless	Compounded ..	Section 26 of the Madras Forest Act.	Compounded for Rs. 140.
	3	Do.	Do. ..	Do. ..	Section 21 of the Madras Forest Act.	Do. for „ 20.
Anantapur	1	25 acres.	Intentional ..	Pending	Do. do. ..	....
	1	Not known.	Do. ..	Convicted (one accused.)	Do. do. ..	Sentenced to suffer three months' rigorous imprisonment (shown in the last year's return as pending).
	2	4 acres.	Do. ..	Acquitted (three accused.)	....	....
	3	20 „	Do. ..	Convicted (two accused.)	Section 21 of the Madras Forest Act.	Fined Rs. 25 each or to suffer two months' rigorous imprisonment.
	4	2 „	Do. ..	Withdrawn ..	....	....
Cuddapah	5	500 „	Do. ..	Convicted (one accused.)	Section 21 of the Madras Forest Act.	Sentenced to suffer three months' rigorous imprisonment.
	6	½ acre.	Do. ..	Withdrawn ..	....	....
	7	50 acres.	Do. ..	Acquitted (one accused.)	....	....
	8	50 „	Do. ..	Withdrawn ..	....	....
	9	350 „	Do. ..	Do.	....	....
	10	40 „	Do. ..	Pending	....	....
	11	50 „	Do. ..	Do.	....	....
Nellore	1	30 „	Do. ..	Convicted	Section 21 (*c*) of the Madras Forest Act.	Sentenced to suffer one month's rigorous imprisonment and to pay Rs. 100 as compensation to the Forest Department.
North Arcot (*a*)	1	*Nil.*	Intentional (to catch rats).	Pending	Section 21 (*b*) of the Madras Forest Act.	....
South Arcot	1	3 acres.	Intentional ..	Convicted	Do. do.	Sentenced to suffer ten days' simple imprisonment (this case was shown as pending last year).
	(*b*) 2	Whole of hill portion of Ravathanallore.	Do. ..	Do.	Do. do.	First accused was sentenced to suffer six weeks' rigorous imprisonment and the remaining three fined Rs. 7 each.

(*a*) In Form No. 50 four cases are recorded as "compounded." The Collector explains that an offence was compounded and that if the accused failed to pay compensation within the prescribed period, the case will be taken to Court. No details are given for the three other offences recorded as "compounded."

(*b*) This case also relates to the year 1899–1900 but was erroneously omitted to be shown in the last year's return by Collector.

No. II—*cont.*

Division.	Details of prosecutions for offences by fire.					
	Serial No. of fire.	Areas burnt.	Character of offence (whether careless or intentional).	Whether acquitted or convicted.	Section of law under which convicted.	Amount of punishment.
Salem	1	*Nil.*	Intentional ..	Acquitted	....	....
	2	½ acre.	Careless	Do. ..	....	....
	3	360 acres.	Do. ..	Withdrawn ..	....	....
	4	300 ,,	Do. ..	Do.	....	....
Trichinopoly (*a*)	..	....	....	....	....	....
	1	3 acres.	Intentional ..	Convicted	Section 435, Indian Penal Code ..	Sentenced to pay a fine of Rs. 15.
	2	1½ ,,	Do. ..	Do.	Section 21 (*b*) of the Madras Forest Act	Do. ,, 16.
	3	60 ,,	Do. ..	Do.	Section 21 (*d*), (*b*) and (*h*) of the Madras Forest Act.	Do. ,, 40.
	4	10 ,,	Do. ..	Acquitted	Section 21 (*b*) of the Madras Forest Act.	....
	5	....	Do. ..	Do.	Do. do.	....
	6	....	Do. ..	Convicted	Do. do.	Sentenced to pay a fine of Rs. 5.
	7	50 acres.	Careless	Compounded ..	Do. do.	Compounded for Rs. 15.
	8	8 ,,	Do.	Do.	Do. do.	Do. for ,, 3.
	9	....	Intentional ..	Convicted	Do. do.	Sentenced to pay a fine of Rs. 3.
	10	25 acres.	Careless	Compounded ..	Do. do.	Compounded for Rs. 12-8-0.
	11	1 ,,	Do. ..	Do.	Do. do.	Do. ,, 2.
South Canara (*b*)	12	6 ,,	Do. ..	Do.	Do. do.	Do. ,, 10.
	13	5 ,,	Do. ..	Convicted	Do. do.	Sentenced to pay a fine of Rs. 5.
	14	15 ,,	Do. ..	Pending	Do. do.	....
	15	200 ,,	Intentional ..	Convicted	Section 21 (*b*) and (*f*) of the Madras Forest Act.	Sentenced to pay a fine of Rs. 70.
	16	1½ ,,	Careless	Withdrawn ..	Section 21 (*b*) and (*d*) of the Madars Forest Act.	....
	17	2 ,,	Do.	Pending	Do. do.	....
	18	30 ,,	Do.	Do.	Do. do.	....
	19	2 ,,	Do.	Withdrawn ..	Do. do.	....
	20	6 ,,	Do.	Pending	Do. do.	....
	21	2 ,,	Do.	Do.	Do. do.	....
	22	15 ,,	Intentional ..	Do.	Do. do.	....
	23	1½ ,,	Do. ..	Do.	Do. do.	....
North Malabar	1	100 ,,	Do. ..	Do.	....	....
The Nilgiris	1	1,060 ,,	Do. ..	Withdrawn ..	....	This case was shown as pending last year.
	2	....	Careless	Convicted	Section 21 (*c*) of the Madras Forest Act.	Sentenced to pay a fine of Rs. 20, in default to suffer one month's rigorous imprisonment.
	3	....	Intentional ..	Pending	....	....
North Coimbatore (*c*) ..	1	740 acres	Do. ..	Acquitted	....	This case was shown as pending last year.
South Coimbatore ..	1	(*d*)	Do. ..	Do.	....	....
	2	20 acres.	Do. ..	Pending	....	....
	3	15 ,,	Do. ..	Do.	....	....
Madura (*f*)	1	....	Do. ..	Do.	....	....
	2	Not stated.	Do. ..	Do.	....	....
	3	....	Do. ..	Do.	....	....
	4	....	Do. ..	Do.	....	....
Tinnevelly	1	1 acre.	Do. ..	Convicted	Section 21 (*b*) of the Madras Forest Act.	Sentenced to undergo two weeks' simple imprisonment.
	2	(8 × 8) sq. ft.	Do. ..	Do.	Do. do.	Sentenced to undergo three weeks' rigorous imprisonment.
	3	300 acres.	Do. ..	Do. ..	Do. do.	Sentenced to undergo two month's rigorous imprisonment.
	4	*Nil.*	Do. ..	Do	Do. do.	Two accused were sentenced to undergo one month's rigorous imprisonment each, while the third and the fourth accused were discharged.

(*a*) In Form No. 50 one case is recorded as "taken to Court." The Collector submits a *nil* return without explanation.
(*b*) The first eleven cases were reported in 1899-1900 and were pending at the close of that year. They were disposed of during the year under report.
(*c*) In Form No. 50 one case is recorded as "compounded." This is not shown by the Collector in this return.
(*d*) No area was burnt.
(*f*) Of the four fires entered, two relate to 1899-1900 and are still pending before the Court.

No. III.

Division or Circle.	A. Fire caused by accident or through carelessness in burning fire lines.		B. Fires entering the forests by crossing exterior fire traces.		C. Fires beginning inside the reserve or fire-traced areas. Owing to carelessness or accident.							
					By workmen employed in the forests, by purchasers of forest produce, and by Yah-cutters.		By villagers, travellers, &c., passing through the forests.		By railway engines.		By lightning or by fire-balloons.	
	Number of fires.	Area burnt in acres.	Number of fires.	Area burnt in acres.	Number of fires.	Area burnt in acres.	Number of fires.	Area burnt in acres.	Number of fires.	Area burnt in acres.	Number of fires.	Area burnt in acres.
1	2	3	4	5	6	7	8	9	10	11	12	13
Northern Circle.												
Ganjám	..	..	11	847	1	100	..	..	..	..	1	5
Vizagapatam	..	..	..	..	4	(a) ..	..	..	..	..	..	..
Gódávari	..	..	..	..	1	(a) ..	..	..	..	..	..	..
Kistna	2	52	..	..	..	..	12	79	..	..	..	..
Kurnool	..	..	..	..	..	..	..	..	..	..	..	..
Bellary	1	100	3	1,805	..	..	..	..	2	5	..	..
Anantapur	..	..	3	1,443	..	..	2	1,370	1	380	..	..
Total, Northern Circle ..	3	152	17	4,095	6	100	14	1,449	3	385	1	5
Central Circle.												
Cuddapah	..	..	4	1,348	..	..	1	5	..	..	..	..
Nellore	..	..	5	888	..	..	..	..	..	..	..	..
Chingleput	..	..	1	300	..	..	..	..	..	..	..	..
North Arcot	2	250	7	1,705	..	..	18	1,325	..	..	2	102
South Arcot	..	..	1	3	..	..	1	15	..	..	..	..
Salem	1	100	..	..	..	..	5	67	..	..	..	..
Trichinopoly	..	..	..	..	..	..	..	..	..	..	..	..
Tanjore	..	..	..	..	..	..	..	..	..	..	..	..
Total, Central Circle ..	3	350	18	4,244	..	..	25	1,412	..	..	2	102
Southern Circle.												
South Canara	..	..	8	76	1	8	12	122	..	..	..	..
North Malabar	11	(b) 28,699	1	90	..	..	..	..	..	..	..	..
South Malabar ..	..	..	..	..	..	..	..	..	..	..	..	..
The Nilgiris	1	2,848	..	..	..	..	1	..	..	..	..	..
North Coimbatore	..	..	..	..	..	..	..	..	..	..	..	..
South Coimbatore	2	200	2	73	5	423	1	15	..	..	..	..
Madura	..	..	22	1,003	..	..	2	140	..	..	..	..
Tinnevelly	..	..	13	1,219	5	351	..	..	..	..	2	375
Total, Southern Circle ..	14	31,747	46	2,461	11	782	16	277	..	..	2	375
Total, Presidency ..	20	32,249	81	10,800	17	882	55	3,138	3	385	5	482

(a) Less than an acre.

(b) Unprotected areas.

No. III—*cont.*

Division or Circle.	C. Fires beginning inside the reserve or fire-traced areas—*cont.*								Total A, B and C.	
	By intentional firing.									
	In order to obtain new grass.		In order to turn out game or to reduce cover.		Maliciously fired.		Total.		Causes unknown.			
	Number of fires.	Area burnt in acres.	Number of fires.	Area burnt in acres.	Number of fires.	Area burnt in acres.	Number of fires.	Area burnt in acres.	Number of fires.	Area burnt in acres.	Number of fires.	Area burnt in acres.
	14	15	16	17	18	19	20	21	22	23	24	25
Northern Circle.												
Ganjám	..	..	..	..	..	..	..	..	62	2,534	75	(a) 3,486
Vizagapatam	..	..	..	..	..	..	..	..	..	..	4	(b) ..
Gódávari	..	..	1	20	..	..	1	20	3	19	5	(a) 39
Kistna	..	..	..	..	..	..	..	..	..	..	14	(a) 131
Kurnool	..	..	..	..	1	4,000	1	4,000	12	33,045	13	37,045
Bellary	..	..	..	..	..	..	..	..	5	3,701	11	5,611
Anantapur	7	4,041	1	300	3	305	11	4,646	7	15,297	24	(a) 23,136
Total, Northern Circle	7	4,041	2	320	4	4,305	13	8,666	89	54,596	146	69,448
Central Circle.												
Cuddapah	1	140	..	..	6	1,830	7	1,970	33	8,620	45	11,943
Nellore	..	..	..	..	..	..	..	..	..	..	5	888
Chingleput	..	..	..	..	..	..	..	..	..	..	1	300
North Arcot	..	..	5	225	6	935	11	1,160	68	5,416	108	9,958
South Arcot	1	30	..	..	2	550	3	580	11	256	16	(a) 854
Salem	..	..	..	..	..	..	..	..	14	746	20	(a) 913
Trichinopoly	..	..	..	..	..	..	..	..	..	..	..	(d) ..
Tanjore	..	..	..	..	..	..	..	..	..	..	..	..
Total, Central Circle	2	170	5	225	14	3,315	21	3,710	126	15,038	195	24,856
Southern Circle.												
South Canara	1	15	3	23	..	..	4	38	8	228	33	(a) 472
North Malabar	..	..	1	100	..	..	1	100	..	..	13	(c) 28,889
South Malabar	..	..	..	..	..	..	..	..	..	..	..	..
The Nilgiris	..	..	..	..	1	..	1	..	..	..	3	2,848
North Coimbatore	..	..	..	..	..	..	..	..	..	..	..	(d) ..
South Coimbatore	..	..	1	20	..	..	..	20	7	915	18	1,646
Madura	3	360	2	55	..	..	5	415	26	2,305	55	(a) 3,863
Tinnevelly	7	1,089	2	200	3	302	12	1,591	5	206	37	3,742
Total, Southern Circle	11	1,464	9	398	4	302	24	2,164	46	3,654	159	41,460
Total, Presidency	20	5,675	16	943	22	7,922	58	14,540	261	73,288	500	135,764

(a) The Collector has not explained the variation between these figures and these entered in Form No. 51.
(b) Less than one acre.
(c) Includes 28,699 acres of unprotected areas burnt.
(d) Form No. 51 records the occurrence of fires. The discrepancy has been explained.

26. *General.*—An abstract is appended giving the total number of cases reported each year in each circle, district by district, since and inclusive of 1894–95, and taking totals for each circle for the first year and for the year under report, the increases are—

For the Presidency	12,251
For the Northern Circle	2,482
For the Central Circle	9,218
For the Southern Circle	551

STATEMENT giving the number of cases reported annually district by district starting from the year 1894–95.

Districts.	1894–95.	1895–96.	1896–97.	1897–98.	1898–99.	1899–1900.	1900–1901.
Northern Circle.							
Ganjám	402	299	226	356	415	420	379
Vizagapatam	328	292	435	758	809	676	565
Gódávari	137	137	519	613	453	469	421
Kistna	613	744	715	892	1,011	1,386	1,492
Kurnool	488	611	900	1,053	944	711	967
Bellary	263	508	557	427	595	844	684
Anantapur	317	271	260	343	501	441	522
Total ..	2,548	2,862	3,612	4,442	4,728	4,947	5,030
Central Circle.							
Cuddapah	481	622	672	1,035	1,137	1,277	1,632
Nellore	233	159	161	344	515	578	1,029
Chingleput	247	448	443	452	915	1,759	1,452
North Arcot	800	723	1,021	1,282	2,126	2,053	2,743
South Arcot	1,199	1,092	1,508	2,564	2,966	3,008	3,220
Salem	1,157	1,128	1,045	1,403	1,938	2,494	2,592
Trichinopoly	611	466	684	823	887	947	1,105
Tanjore	51	59	62	62	74	270	224
Total ..	4,779	4,697	5,596	7,965	10,561	12,386	13,997
Southern Circle.							
South Canara	977	375	895	637	533	880	498
North Malabar	117	59	21	11	15	16	18
South Malabar	49	46	13	25	21	19	19
Nilgiris	135	97	106	129	140	158	219
North Coimbatore	217	303	319	384	478	390	284
South Coimbatore	281	163	178	392	365	304	339
Madura	164	459	483	527	861	825	1,199
Tinnevelly	616	549	415	481	593	525	531
Total ..	2,556	2,051	2,430	2,586	3,006	3,117	3,107

Different reasons have been given from year to year to explain the increases, but there can be little doubt that unfavourable seasons and scarcity have, to a large extent, supplied the incentive to commit forest offences, coupled of course with the unwillingness at all times to pay grazing fees if they can be avoided with the assistance of the very subordinates who are paid by Government to see that they are collected. The Conservators of the Central and Southern Circles agree in thinking it improbable that the number of offences committed has increased, but that the contrary is more likely to be the case as is evidenced by the present condition of some of the forests; further, that it is indisputable that a better class of men has been secured to fill the Rangers' posts, since the training at the Dehra Dun College was started, and that these men have influenced those subordinate to them, with the result that the number of cases detected has largely increased and will go on increasing so long as the people continue to run the risk of detection, until the staff be made sufficiently strong, as in other provinces, to adequately protect the forest under its charge. Both increases and decreases in number of cases reported are attributed in different districts to one and the same cause, viz., better protection and greater vigilance, and both are sound contentions. The number of scattered reserves surrounded by cultivation and in the neighbourhood of numerous large villages must naturally result in a large number of offences, the temptation to commit them being irresistible. In districts where these conditions do not prevail and people live at some distance from the boundaries of the reserves, the number of offences committed is very small. A number of petty offences are now reported which hardly call for serious action. It is difficult to make subordinates understand where the line should be drawn in this respect, nor can any

hard and fast rule be laid down. Improvement will show itself by degrees. The concessions made to the people are increasing year by year, and, with the improving facilities for obtaining produce and an effective staff, the reduction in the number of offences reported can only be a question of time.

(2) FOREST FIRES AND FIRE-PROTECTION.

27. The following statement shows the results of fire-protection as compared with the previous year:—

Circles.	During 1899-1900.			During 1900-1901.		
	Area attempted in square miles.	Percentage of area attempted which escaped fire.	Average cost per square mile.	Area attempted in square miles.	Percentage of area attempted which escaped fire.	Average cost per square mile.
			RS. A. P.			RS. A. P.
Northern	953	93·8	9 6 2	955	91·27	8 15 2
Central	2,446	96·9	5 15 9	2,505	98·44	5 8 7
Southern	1,737	91·4	7 3 5	1,758	99·22	6 11 4
Total ..	5,136	94·5	7 0 6	5,218	97·39	6 8 11

The total area attempted to be protected increased by 82 square miles in all three circles, the best progress having been made in the Central Circle. The total cost incurred was Rs. 34,206 against Rs. 36,114 last year, a decrease of Rs. 1,908 and the average cost per square mile was less in all the circles. Taking the districts individually, the areas attempted remained the same in *Bellary*, *South Arcot*, *South Coimbatore* and *Madura*, while those of *Vizagapatam*, *South Canara*, *North Malabar* and *North Coimbatore* decreased. In other districts, protection was extended to more areas than in the previous year. There was an increase in the amount expended in the following districts: *Ganjám*, *Kistna*, *Bellary*, *South Arcot*, *Salem*, *Trichinopoly*, *South Canara*, *South Malabar* and *Tinnevelly*. Other districts show a decrease. The increase in *Ganjám* was due to the introduction of rigid protection over 4 square miles, and that in *Kistna* to the extension of similar protection over 11 square miles more than in the previous year and to the entertainment of a special establishment costing Rs. 208 for certain reserves. The occurrence of numerous fires in *Bellary* accounts for the slight increase there on account of cooly hire for extinguishing them. The increase in *Salem* is attributed to the protection of increased length of fire lines per square mile, to the extra cost of new areas brought under protection and to the employment of a special establishment for a longer period, while that in *South Arcot*, *Trichinopoly* and *South Canara* has not been explained. The slight increase in *South Malabar* is probably due to the increased area of 1 square mile brought under protection during the year. In *Tinnevelly*, larger expenditure was incurred duringthe year on general protection than on special protection.

28. The percentage of fires to area attempted to be protected in each district for the past two years is given in the subjoined abstract:—

Northern Circle.			Central Circle.			Southern Circle.		
Districts.	Percentage of fires to area attempted		Districts.	Percentage of fires to area attempted		Districts.	Percentage of fires to area attempted	
	In 1899-1900.	In 1900-1901.		In 1899-1900.	In 1900-1901.		In 1899-1900.	In 1900-1901.
Ganjám ..	2·2	2·7	Cuddapah ..	8·07	2·9	South Canara ..	11·6	0·7
Vizagapatam ..	0·8	2·4	Nellore ..	0·9	0·7	North Malabar ..	69·4	0·2
Gódávari ..	0·5	·02	Chingleput ..	..	1·3	South do. ..	0·1	..
Kistna ..	0·5	·09	North Arcot ..	0·9	1·3	The Nilgiris ..	2·5	3·2
Kurnool ..	32·4	56·8	South do. ..	5·06	0·7	North Coimbatore.	10·3	0·3
Bellary ..	22·9	11·5	Salem ..	1·3	1·1	South do.	2·9	0·4
Anantapur ..	1·03	9·7	Trichinopoly ..	0·5	0·4	Madura ..	1·5	0·2
			Tanjore ..	..	..	Tinnevelly ..	6·5	1·3
	6·2	8·7		3·1	1·6		8·6	0·8

In *Bellary*, *Cuddapah*, *South Canara*, *North and South Malabar*, *North Coimbatore* and *Tinnevelly* the results of protection were satisfactory as compared with those of the previous year. They were less so chiefly in *Kurnool* and *Anantapur*. The unusually dry weather was particularly favourable to the occurrence of fires in the Central Circle. The principal cause of fires is undoubtedly incendiarism in all three circles, the majority of fires being caused by graziers to obtain new grass. The Conservator of Forests, Central Circle, suggests that the only way to check the practice is to close the forests as it is a waste of money to rely only on cleared lines or fire-patrols in such areas. In *Ganjám*, there were no fires in the beginning but later on 75 cases occurred over a total area of 3,486 acres. A lessee of fruit trees was prosecuted and convicted of having started a fire which spread over 100 acres and sentenced to 20 days' rigorous imprisonment. One fire is reported to have been caused by lightning. In *Vizagapatam*, systematic fire-protection was introduced for the first time over about 23,000 acres and was, on the whole, successful. The percentage of area burnt was much less than before—the result of a favourable season and of concentrating protection on small areas. A number of fires were caused accidentally by men in charge of bullocks, but they were not prosecuted as the fire-protection was new and not understood by them. In *Gódávari* there were practically no fires in the partially-protected areas. In the Yernagudem unprotected forests 56½ square miles were burnt and only 445 acres are reported to have been burnt in the remaining unprotected parts of the district. In *Kistna* 120 acres were burnt by 14 fires. In *Kurnool*, there were 13 fires in the protected blocks and the area burnt was larger than that of the previous year. In one case which was detected the offender was imprisoned for 45 days. The destruction of the Nallamalai forests by fire is very serious. The Collector states that practically the whole of the hills are burnt annually, the Chenchus being the chief offenders. The question of protection is of great importance and is engaging his attention. In *Bellary*, 3 out of the 8 fires that occurred were very severe and 5,285 acres were overrun by fires causing much mischief. In *Anantapur*, the cases rose from 8 to 24, five in protected and the rest in unprotected parts, covering a total area of 23,136 acres. One reserve which had been under rigid protection was transferred to partial protection. In *Cuddapah*, 13 fires occurred and burnt 1,545 acres, one of which is reported to have come from the Nallamalais and the rest, to have been caused by incendiaries. In *Nellore*, 888 acres were burnt by five accidental fires, and 30 acres by malice. The offender in this case was prosecuted and sentenced to one month's rigorous imprisonment and to pay Rs. 100 as compensation to Forest Department. In *Chingleput*, the one fire that occurred burnt 300 acres and had its origin in the adjoining Samastanam forests. In *North Arcot*, the result of the fire-protection was satisfactory though the season was exceptionally dry. Steps are being taken to close to grazing, reserves in which incendiary fires have occurred. In *South Arcot*, there were 16 fires in all, 801 acres in protected and 53 in unprotected areas. One of the fires is said to have come from *Salem* frontier and the causes of the rest are not given. In *Salem*, no mention is made of fires. In *Trichinopoly*, fires seldom occur as the natural conditions favour successful fire-protection. The usual protective measures for the Pachamalai forests were deemed unnecessary. There were 7 fires in all, one of which was caused by lightning and the delinquent in another case was detected and prosecuted. The area burnt was 448 acres. In *Tanjore*, there were no fires as the reserves contain little grass; no protective measures are considered necessary. In *South Canara*, 478 acres were burnt against 7,926 in the previous year. In *North Malabar*, the year was favourable as there were early rains and no strong winds. The usual areas in Kurchyat and Begur reserves, several plantations, forest stations and timber depots were rigidly protected this year with success. Fires occurred only in areas under general protection and unprotected forests. In *South Malabar*, there was no fire at all. In the *Nilgiris*, one fire was caused by the carelessness of fire patrols, burning over grass land. In *North Coimbatore*, 22 acres in Badagalle Sandalwood compartment were burnt, but a few seedlings only were affected by the fire. About 28 square miles of unprotected forest were also burnt. Two blocks in Satyamangalam range were closed to grazing for one month on account of incendiary fires there. Efforts are now being made to secure better protection for the forests and it is intended to extend it to an additional area of 160 square miles in Talamalai forest which has been specially selected as containing valuable species of timber. In *South Coimbatore*, there were 18 fires, 9 in specially protected and 9 in unprotected areas; and the total area burnt was 1,646 acres. In *Madura*, 188 acres were burnt in 3

fires kindled by graziers. In *Tinnevelly*, some serious fires occurred in the Courtallum range and one severe fire in the Ambásamudram range. 3,367 acres were burnt against 15,738 in the previous year. Fires occurring in the zamin forests spread into the Government forests. Charcoal burners and coolies of minor produce contractors also caused fires, and in some instances, severe notice was taken of this. Unlike other districts, the fire season here is a prolonged one and lasts till the end of September. Little information is given as to the recording of results of fire-protection on maps. The point must have been overlooked again as such maps of protected areas are maintained in a number of districts, but no mention of the fact is made in any of the district reports excepting *Ganjám*, *North Arcot*, *South Arcot*, *North Coimbatore*, *South Coimbatore* and *Tinnevelly*. In some instances, relying doubtless on reports of subordinates, it is asserted that little or no damage is done by the fires, but such a perverse statement cannot be allowed to be placed on record.

The information called for in the concluding sentence of paragraph 4 of the Government of India Review on the Administration Report for 1898–99 regarding the estimated area of reserves escaping conflagration, by their natural constitution or for other reasons, is given below :—

District.	Area.	Remarks.
	SQ. M.	
Kistna	563·55	Reserved Forests.
	222·56	Reserved Lands. Other causes were— (1) Want of grass when fire season commenc (2) Rocky nature of ground.
Bellary	49	No reasons are given.
North Arcot	202	Stony ground with no grass.
South Arcot	468	No reasons are given.
Salem	382	Rocky soil and evergreen forest.
Tanjore	18	The nature of the soil which is either sandy or marshy.
South Canara		There are some isolated areas now protected which require no such protection, their situation rendering them safe. No area is given, but a large one, comprising mostly evergreen forest, might have been reported to be self-protected and many blocks contain little grass and stony soil.
North Malabar		About 20 per cent. of the total forest area has very little grass and fires rarely enter and have nothing to feed on.
South Malabar		Beypore tope of 54 acres consisting of fruit and casuarina trees and surrounded by water on three sides and by private topes on the south and containing little growth of an inflammable nature.
South Coimbatore		Evergreen forests of about 100 square miles on the higher Anamalais.
Madura	25	Evergreen forests.

In two districts it is stated that there are no areas safe from natural or other causes. The remaining districts give no information at all.

29. *General.*—The necessity for extending and securing complete fire-protection is fully recognized, and also that it is of little utility to attempt to protect very large areas without an adequate staff, and that improvement can only be made gradually. It may be generally accepted that where too much is attempted, success hinges less on the precautions taken than on the nature of the season. The Government forests often march, and are so dovetailed in, with the limits of the forests of Native States and private owners, where protection usually does not exist, and huge and dangerous fires arise which spread over boundaries and fire-lines, that the task of successfully protecting the Government areas is a severe one. The matter is, however, engaging serious attention, especially in the Southern Circle, where there are large areas of valuable deciduous forests to which much damage has been done in the past by frequent fires.

(3) REGULATION OF GRAZING AND PROTECTION FROM CATTLE.

30. On account of the unfavourable character of the season in *North Arcot* and *Salem* free cutting and removal of grass were permitted in some of the reserves of Chittoor, Chandragiri and Arcot-Walajah ranges in the former, and in all the specially protected blocks and coupes throughout the district in the latter. It was also found necessary in *Cuddapah* to throw open to free grazing all blocks under general protection for two months at the commencement of the year under report, and to throw open in addition five reserves in Proddatur range and a portion of Palakonda adjoining Pulivendla taluk. In the Chandragiri range of *North Arcot*, permit-holders for one reserve were permitted to graze their cattle in all or any of the reserves in the range. In this District as well as in *South Arcot*, free permits were issued to Malayalees to graze their cattle in the Javadis and Tenmalais, respectively. In *Vizagapatam*, 200 cattle were admitted for grazing under rights granted at settlement, and 290 more belonging to Muktas whose lands are absorbed in the reserves were permitted to graze free in consideration of the services rendered by them in fire-protection. In the Bhadráchalam forests of *Gódávari*, all were permitted to graze free till 1st October and after that only those privileged. The grazing lease in *North Malabar* referred to in the previous year's report was extended to three years, adding a further area and raising the lease amount to Rs. 105 per annum. In *Salem*, a sum of Rs. 229 was realized by sale of grass and grazing contracts, and Rs. 554 were obtained in *the Nilgiris* from grazing contracts. The right of cutting and removing grass in Chenat Nair and Walayar reserves of *South Malabar* was leased out on tender. In *Kistna*, 58 working circles have been formed under the parcellaire system. Grazing of cattle and browsing of goats were allowed in areas subject to regulated rotations. The system of issuing one permit for all the reserves included in one working circle was continued in *Kurnool*, and the same was adopted in *Anantapur*. In *Kurnool*, the complaints of the ryots of Nandikotkur and Markapur taluks to allow their cattle licensed for ordinary tracts to water in special tracts were enquired into and concessions allowed wherever considered necessary. In *Cuddapah*, 123 grazing permits covering 2,405 cattle were cancelled, chiefly for the failure of the graziers to produce permits when demanded by Forest subordinates.

The areas open and closed to grazing and the kind of animals grazed free and on payment of fees in each district are exhibited in forms Nos. 52 and 53. The area closed to grazing to all animals throughout the year was 1,637 square miles and that for a part of the year was 279 against 1,396 and 570 respectively in the previous year. There was an increase in the area closed for the whole year in the Northern and Central Circles and a decrease in the Southern Circle. The increase was chiefly in *Kistna*, *Bellary*, *Nellore* and *North Arcot*, while the fall in the Southern Circle was chiefly in *South Malabar* and *North Coimbatore*. It is presumed that the working of the grazing scheme in *Kistna* has resulted in the increase to the area closed. The area closed in *Bellary* consisted of felling areas of the previous as well as of the current year in the leased forests and those under cultural operations. The large area closed in *Nellore* has not been explained. The increase in *North Arcot* was necessitated by the occurrence of incendiary fires, and grazing areas had therefore to be closed as an example to the ryots living around such areas. The decrease in *South Malabar* is believed to be on account of the reduction in the total forest area as explained in Chapter I. In *North Coimbatore*, 12 square miles of Doddasampagai reserve were opened for grazing in accordance with the wishes of the Forest Member expressed during his tour in the division in July 1900. Two blocks of 70 square miles had to be closed temporarily for one month on account of the devastating fires which occurred. Goats and sheep continued to be excluded from all the reserved forests and reserved lands in *Vizagapatam* (344 square miles). Thirty-seven square miles were closed to all animals in *Anantapur*, of which 8 square miles were closed experimentally for a portion of the year and subsequently thrown open. As in the previous year, permits were not issued for sheep in *South Canara* and *North Malabar*. There was a slight fall in the area closed to goats only and a corresponding increase in the area open to all animals. The increase in the area open was due to the larger areas thrown open in *Kistna* and *Kurnool* and to the opening of browsing areas in *Anantapur*, *Madura* and *Tinnevelly*. Goats were entirely excluded in *Ganjám* in the Northern Circle, *South Arcot*, *Trichinopoly* and *Tanjore* in the Central Circle and

South Canara, *the Nilgiris* and *South Coimbatore* in the Southern Circle. In *Chingleput* in 19 entire blocks and in all the extensions in Chingleput range, goat-browsing was allowed. In *Anantapur*, goats were admitted during the latter part of the year in all the reserves already open to sheep. In *Tanjore*, two coupes of 356 acres in Vettangudi reserve to be felled over in the current and ensuing years were opened, while in *North Coimbatore* 10 square miles of scrub jungle in Palayur Kombai block were opened, as it was found that the available extent of waste land near Satyamangalam was insufficient and consequently goats were browsed in Bennari coupes with the connivance of the subordinates. In *Madura*, goat-browsing was allowed in some of the reserves of the Palamedu and Kanavoipatti ranges in accordance with the provisions of the working-plan. Four square miles of forests in *Tinnevelly* were thrown open for goat-browsing, but only 834 goats were licensed. Though there was an increase in the area closed in *Bellary*, the number of animals admitted under license rose from 70,443 to 96,095. It is reported that the question of setting apart special areas for the purpose is still under consideration, as the number of these animals is very great and the question is a difficult one, and will be fully dealt with in the working-plans. In *Cuddapah*, *Nellore* and *North Arcot* schemes for goat-browsing have been submitted to the Conservator for approval and have been dealt with by the Board. It is also reported that a regular scheme is under preparation in *Kistna* owing to the insufficiency of the area open.

The number of animals impounded for illicit grazing in each district is compared with that of the previous year in the following statement.

Comparative Statement of Animals impounded for illicit grazing in Reserved Forests and Reserved Lands during 1899–1900 and 1900–1901.

	Without permits.								In closed areas.							
	Cattle.		Sheep.		Goats.		Total of all animals.		Cattle.		Sheep.		Goats.		Total of all animals.	
	1899–1900.	1900–1901.	1899–1900.	1900–1901.	1899–1900.	1900–1901.	1899–1900.	1900–1901.	1899–1900.	1900–1901.	1899–1900.	1900–1901.	1899–1900.	1900–1901.	1899–1900.	1900–1901.
Northern Circle.																
Ganjám	182	1,223	11	56	1,020	..	1,213	1,279	..	23	..	7	1,020	1,939	1,020	1,969
Vizagapatam	1,308	821	224	116	2,245	2,272	3,777	3,209	19	14	..	..	13	..	32	14
Gódávari	2,613	2,011	622	256	1,660	2,229	4,895	4,496	8	245	1	56	920	1,053	929	1,354
Kistna	4,070	6,587	3,749	4,339	9,425	8,011	17,244	18,937	3,793	3,960	1,599	1,497	5,855	4,008	11,247	9,465
Kurnool	10,052	6,367	7,708	9,074	{ 11,714 * 6,165 }	9,816	35,639	24,757	278	348	300	18	192	536	770	897
Bellary	1,380	728	1,720	1,748	3,416	1,152	6,516	3,628	89	164	..	..	131	538	220	702
Anantapur	5,238	6,683	8,102	12,643	9,175	12,687	22,515	32,013	804	578	550	407	572	428	1,926	1,413
Total, Northern Circle ..	24,843	24,420	22,136	28,232	44,820	35,667	91,799	88,319	4,991	5,327	2,450	1,985	8,703	8,502	16,144	15,814
Central Circle.																
Cuddapah	5,936	5,872	12,749	17,284	31,988	45,333	50,673	68,489	82	93	220	118	65	1,235	367	1,446
Nellore	4,319	5,436	7,011	10,136	26,390	8,045	37,720	23,617	206	2,973	3	1,923	20,340	18,613	20,549	23,509
Chingleput	1,935	2,172	460	3,020	4,471	1,034	6,866	6,226	157	..	..	..	4,416	10,422	4,573	10,422
North Arcot	17,223	22,170	8,495	12,508	40,549	..	66,267	34,678	694	1,644	..	474	817	38,843	1,511	40,961
South Arcot	13,080	13,585	16,070	14,901	22,183	22,721	51,333	51,207	234	285	..	..	† 22,183	22,721	† 22,417	23,006
Salem	8,302	3,193	4,131	4,082	20,091	10,041	32,524	17,316	2,468	1,304	380	210	5,433	4,065	8,281	5,579
Trichinopoly	2,450	2,737	5,865	5,389	5,234	4,815	13,549	12,941	..	..	..	..	..	..	..	..
Tanjore	1,036	669	333	127	712	449	2,081	1,245	263	210	13	5	108	72	384	287
Total, Central Circle ..	54,281	55,834	55,114	67,447	151,618	92,438	261,013	215,719	4,104	6,509	616	2,730	53,362	95,971	58,082	105,210
Southern Circle.																
South Canara	1,424	1,261	..	..	21	10	1,445	1,271	106	101	..	..	..	..	106	101
North Malabar	26	118	..	..	..	..	26	118	1	7	..	..	..	..	1	7
South Malabar	..	49	..	..	..	91	..	140	..	24	..	..	..	..	..	24
The Nilgiris	288	517	27	20	119	308	434	845	220	590	16	118	12	..	248	708
North Coimbatore ..	2,099	786	1,728	881	2,691	1,871	6,518	3,538	298	364	..	448	..	330	298	1,142
South Coimbatore ..	1,337	1,062	85	336	1,054	1,653	2,476	3,051	530	106	55	8	154	..	739	114
Madura	3,445	1,635	1,632	1,449	5,845	..	10,922	3,084	..	..	..	..	5,845	3,713	5,845	3,713
Tinnevelly	1,121	‡ 1,994	852	‡ 2,727	1,019	‡ 1,660	2,992	6,381	965	..	808	..	1,019	..	2,792	..
Total, Southern Circle ..	9,740	7,422	4,324	5,413	10,749	5,593	24,813	18,428	2,120	1,192	879	574	7,030	4,043	10,029	5,809
Grand Total, Presidency.	88,864	87,676	81,574	101,092	207,187	133,698	377,625	322,466	11,215	13,028	3,945	5,289	69,095	108,516	84,255	126,833

* This represents the total number of sheep and goats impounded in the Pattikonda range. Details are not available.

† Revised figure.

‡ The Collector merely states that the majority of cattle were impounded for want of permits and does not attempt to classify them.

The total number of animals of all classes impounded for grazing without permits was 322,466 against 377,625 in the previous year, the decrease being noticeable chiefly in *Kurnool*, *Bellary*, *Nellore*, *North Arcot*, *Salem*, *North Coimbatore* and *Madura* partly counterbalanced by increase chiefly in *Anantapur*, *Cuddapah* and *Tinnevelly*. In *Kurnool*, the decrease occurred in two classes; in *Bellary*, the decrease was due to an order of the District Forest-officer that, if the graziers admitted the offence and agreed in writing to compound the case, the animals seized should not be impounded. There was a slight fall in the number of cattle impounded. It occurred chiefly in *Kurnool*, *Salem* and *Madura*. In *North Arcot*, the number rose from 17,223 to 22,170. In *Anantapur*, *Cuddapah*, *Nellore* and *North Arcot*, the number of sheep impounded rose from 8,102, 12,749, 7,011 and 8,495 to 12,643, 17,284, 10,136 and 12,508, respectively. There was a fall in the number of goats impounded in *Kurnool*, *Bellary*, *Nellore*, *Chingleput* and *Salem*, while in *Anantapur* and *Cuddapah* the numbers rose from 9,175 and 31,988 to 12,687 and 45,333, respectively. The largest number of goats impounded was in *Cuddapah*; *South Arcot* was next with 22,721 followed by *Anantapur* and *Salem* with 12,687 and 10,041, respectively. The total of all animals impounded for grazing in closed areas rose from 84,255 to 126,833, the increase occurring chiefly under goats of which a large number was impounded in *North Arcot*.

31. The following abstract shows the number of cattle, sheep and goats admitted under licenses during the year :—

	Buffaloes.	Bulls and cows.	Sheep.	Goats.	Other animals.
Northern Circle	78,706	398,601	550,363	254,586	488
Central Circle	28,257	634,440	731,407	51,649	44
Southern Circle	21,921	267,077	79,777	9,469	685
Total ..	128,884	1,300,118	1,361,547	315,704	1,217
1899–1900 ..	150,338	1,290,989	1,319,262	164,803	590

General.—The total number of animals of all kinds admitted on payment amounted to 3,107,470 against 2,925,982 in the previous year, a total increase of 1,81,488 for the whole Presidency which was contributed to by all districts excepting *Kistna*, *Cuddapah*, *South Canara*, *the Nilgiris* and *North Coimbatore*, the reasons for the decrease in these districts being given under Grazing. The figures show a satisfactory advance in the arrangements made to meet the grazing requirements of the people and the improvement will doubtless continue and, with better supervision, the friction on this account will gradually diminish, as the people recognize the wisdom of taking out permits and conforming to the regulations.

(c) *Improvement of Forest growth.*

(1) Natural Reproduction.

Northern Circle.

32. Reproduction in *Ganjám* was generally good especially that of *Shorea robusta*, which flowered on 26th January, the earliest date recorded in the district. In *Vizagapatam*, coppice growth was encouraged by seasonable showers. *Chloroxylon swietenia* seeded freely. In *Gódávari*, reproduction was fairly good throughout the district, but needs the assistance of extended fire-protection. In *Kistna*, coppice growth in five compartments of the Guntúr Babul working circle was good. Seedlings of *Hardwickia binata*, *Chloroxylon swietenia*, *Anogeissus latifolia* and Margosa came on well. The bamboo thickets along the valleys of Kondapalli reserve showed fair development. In *Kurnool*, reproduction was poor on account of the drought generally, coupled with fires in the Nallamalais and over-grazing in the Yerramalais. Bamboos thrive well in parts of the Nallamalais and coppice growth was promising in areas successfully protected from fire. In *Bellary*, reproduction was bad throughout the district except in the leased forests, where though the conditions are more favourable, casualties among the young seedlings were numerous. In *Anantapur*, the growth of *Hardwickia binata* in Kottakota working circle referred to in the previous year's report was poor, but that of *Anogeissus latifolia*, *Dolichandrone crispa* and *Acacia arabica* was good, and Teak, *Terminalia tomentosa*, and *Soymida febrifuga* seedlings were noticeable in some parts of Penukonda range.

Central Circle.

Regeneration was poor in *Cuddapah* owing to the scanty rainfall. In *Nellore*, coppice growth and reproduction from seed were good, but the former in Sríharikóta reserve was damaged by the semi-wild cattle roaming about the reserve. Proposals to get rid of them will be submitted. Coppice growth in two reserves in the southern part of the district and in the palmyra-bearing areas was good, but in the drier parts of the district, reproduction from seed was practically nil and coppice bad to fair only. In *Chingleput*, coppice growth in coupes was on the whole satisfactory. Regeneration from seed of *Pterocarpus marsupium* was retarded by the drought. Seedlings of *Dodonœa viscosa* and *Melia indica* were abundant in the several plantations and blocks of the district. In *North Arcot*, regeneration from seed was poor owing to the continued drought but in certain coupes and reserves seedlings of *Pterocarpus marsupium*, *Anogeissus latifolia*, *Chloroxylon swietenia*, and red sanders were common. Coppice growth of *Chloroxylon*, *Anogeissus* and *Albizzia amara* under shade was good and reproduction from root suckers was fair in Gudiyáttam range. Bamboos (*Dendrocalamus strictus*) flowered in isolated groups in some parts of the Javadi Hills. It is stated that in the plain jungles of South Arcot seedlings of *Chloroxylon swietenia*, *Acacia sundra*, *Melia azadirachta*, *Albizzia amara*, and *Eugenia* survived the hot weather and a small percentage is establishing itself gradually in sheltered localities in spite of heavy grazing. In the tidal swamp forests at the mouth of the Coleroon, reproduction from seed of *Avicennia officinalis* and *tomentosa* may be always depended upon, and blanks in the hill forests under special protection are being slowly covered by a young growth of the better species—Teak, Vengai—and in the Tenmalais of sandalwood, seedlings of which are also to be found in Takarai reserved forest of Kallakurchi range. The coppice growth in coupes was good, the cutting being carried out under proper supervision by guards and watchers, whose skill in the handling of knife and axe is tested before they are confirmed. In *Salem*, coppice growth was fairly satisfactory and seedlings of *Chloroxylon swietenia*, *Albizzia lebbek*, *A. odoratissima*, and *A. amara*, *Melia indica*, *Prosopis spicigera* and *Acacia sundra* occur in protected areas, but unfavourable and untimely rains and heavy grazing hindered good reproduction generally. In the Cauvery and Coleroon padugai forests of Trichinopoly, reproduction from both seed and coppice of *Inga dulcis*, *Acacia arabica* and *Cassia florida* was good, and in certain reserves of Kulitalai range, reproduction from seed of *Acacia arabica* and *Leucophlœa* was fair, while in Tuvakudi reserve it was poor. Coppice growth of satinwood, *Mimusops hexandra* and *Albizzia amara* in Vaiyampatti hills and casuarina in the Cauvery and Coleroon padugais was not satisfactory owing to the unfavourable season. In the Pachamalais, reproduction was generally good and casan (*Memecylon edule*) coppiced well in certain coupes of Udayárpálaiyam range. In *Tanjore*, the dry sandy nature of the soil does not favour reproduction from seed. Seedlings of *Mimusops hexandra*, *Eugenia*, *Albizzia lebbek*, *A. odoratissima*, *Acacia leucophlœa* and *A. amara* and *Melia indica* are found, but not in considerable quantities. *Memecylon edule* occurs profusely and acts as a nurse for the more important species and it also coppices well. Casuarina does not coppice well and this method of aiding reproduction is being gradually abandoned and the surer but more expensive one of planting resorted to.

Southern Circle.

In *South Canara*, coppice growth in coupes worked for firewood was excellent. Reproduction from seed was poor owing to fires and the steepness of the ground from which the seeds are carried away by the heavy rainfall. Fires do not, however, appear to damage *Xylia dolabriformis*, the seeds of which drop after the fire season.

In *North Malabar*, the District Forest-officer was not able to pay attention to this subject, as he was fully engaged on sleeper operations—an inexplicable statement.

In *South Malabar*, seedlings of *Xylia* predominated as usual in Nilambur range, but *Terminalia tomentosa*, *Dalbergia* and *Lagerstræmia* were few and slow of growth. In certain reserves of Amarampalam range, Teak, *Terminalia paniculata*, *Dalbergia* and *Lagerstræmia* continued to grow well. The coppice growth of *Lagerstræmia*, *Xylia*, *Hopea*, *Pterocarpus marsupium* and *Terminalia paniculata* was satisfactory in Walayar.

In *the Nilgiris*, coppice growth was as usual vigorous in the Ootacamund plantations, while in Coonoor plantations, it was not so satisfactory—exposure to high winds being responsible. In Mudumalai range, Teak, Vengai (*Pterocarpus marsupium*) and Blackwood seedlings were found abundantly, but their growth was retarded by fires. The growth in the areas specially protected was good. In Sígúr range, regeneration of sandalwood continued to be fair, while that of Teak and Vengai was not good. In Mudumalai range, bamboos seeded profusely. In Coonoor range, reproduction was poor. Seedlings of Teak, Vengai and Blackwood are found in the southern slopes. Sandalwood seedlings are numerous in the Jackanare slopes.

In *North Coimbatore*, reproduction was good in places where no fire occurred, notably that of *Pterocarpus marsupium*. Of other species, seedlings of Teak, Blackwood, *Gmelina arborea*, *Cedrela toona* and *Ougeinia dalbergioides* were common in parts and *Stereospermum xylocarpum* was found in the Geddesal valley though large trees are rare. *Terminalia chebula* is coming on well

in the drier parts. An enumeration of 180,999 young sandal trees was made in Gutiyalattur, Tamarakarai, Bailur and Madeswaramalai blocks. Groups of sandal were also found in parts of Gutiyalattur reserve not included in the working circle and in Lokanhalli and Hanur reserves. *Shorea laccifera* gives good reproduction and it grows gregariously despite the fires. But on examination mature trees showed decided signs of the action of fires *Hardwickia binata* occurs on the lower slopes and in certain reserves of Kollegal range and is unusually hardy, but an examination of the old trees shows that fires have a disastrous effect in the end, as they are found to be heart-shaken and hollow. Young trees are abundant. There was an ample reproduction from seed of *Terminalia chebula*, *Pterocarpus marsupium*, *Shorea*, *Gmelina*, *Chloroxylon*, *Cedrela*, *Schrebera* and *Stereospermum xylocarpum*. Sandal was found in flower every month from December to June and the fruit began to develop in June and July, while in Bailur ripe fruit was observed in February.

In *South Coimbatore*, coppice growth was good in Ayirangal working circle of Pollachi range, fair in Bolampatty range and poor in Udamalpet and Mettupalaiyam ranges. In the Tekadi leased forests, reproduction of valuable species from seed was not satisfactory. The seedlings do not thrive, partly because of the heavy shade and partly because of frequent fires.

In the evergreen forests of Madura, reproduction was good. *Albizzia amara* continued to coppice well. Regeneration from seed in deciduous forest was poor mainly on account of fires. Careful investigation in *Tinnevelly* shows that in the evergreen forests there is an abundance of small trees in the pole stage but few of medium size. Seedlings of *Hopea* (2 species) are common in Kuduvarai, Vettilaiyuttu, and Kannikatti forests, and of other species, *Vitex altissima*, *Pterospermum* (3 species) and *Felicium decipiens* reproduced freely—the first three from seed and the last from both seed and coppice. Seedlings of Teak and *Pterocarpus marsupium* are common in some working circles, and in Karuppaswamikovil working circle coppice growth of Teak and *Pterocarpus marsupium* was good. In two other working circles it was stunted. *Anogeissus* reproduced freely from seed.

An unfavourable season is responsible for poor results in reproduction from seed in some cases and fire is a principal cause of failure in others and the necessity for making fire-protection as complete as possible in the dry forests is paramount.

The success of coppice reproduction is strikingly great in coupes in which cutting is efficiently supervised and poor where there has been laxness. The proper mode of cutting and trimming stumps will become better understood every year.

(2) Artificial Reproduction—Plantation and Cultural Operations.

33. The area under plantations, topes and cultural operations, together with the cost incurred during the year is given in form No. 54.

The year's work is summarised below by districts:—

Northern Circle.

In *Ganjám*, experimental sowing in Napier's park was maintained. The result has not been reported. It was intended to plough up certain old cultivation sites in Surada range and to sow sâl seed broadcast. But because of the neglect of the Range officer and the holding off of the rains, the seeds were sown only after the close of the year. Success can hardly attend this last experiment and it may have to be repeated.

In *Vizagapatam*, seeds of divi divi, *Cassia fistula* and other species were sown and the seedling transplanted in Narasapatnam range. The former failed largely, while the others succeeded. Seeds of *Cassia fistula* and *Terminalia chebula* were dibbled in in Madalammakonda coupes and have since germinated. In the Government topes of Palkonda, some jack and graft mango were planted fairly successfully.

In *Gódávari*, 105 acres as against 76 in the previous year were planted with casuarina and watered as prescribed in the working-plan. Seeds of useful timber trees were dibbled in and sown broadcast in coupes of Rajahmundry and Ellore ranges, but the result was a failure on account of untimely rain.

In *Kistna*, 13½ acres of Gopuvanipalem extension No. 2 were planted with casuarina as against 30 acres in the Gopuvanipalem reserve in the previous year, and the plants of the previous years were watered at a cost of Rs. 980 against Rs. 544 in the previous year. The nursery in the Weld reserve was maintained and seedlings of casuarina, *Eugenia*, *Pongamia glabra*, *Melia indica*, *Albizzia lebbek*, *Kigelia pinnata* and *Tamarindus indica* were raised. Another nursery was opened in the Gopuvanipalem reserve for the supply of casuarina with success. Teak, mahogany, tamarind, soapnut, and red sanders planted some years ago in Bezwada reserve are still somewhat stunted.

No remarks have come in this or the previous year on this subject from *Kurnool*.

In *Bellary*, the plants in Kuppugal plantation were watered daily with good results and the area subjected to this operation was increased by 87 acres. Mixed species were planted as usual in 1930 and 807 pits dug in areas of 4 acres and 2 acres and they came on well, especially *Sissu*

in the former and *Hardwickia binata* in the latter. But the transplanted casuarina failed, while those in the seed-beds were growing strongly. Four cart loads of palmyrah seeds were dibbled in in place of the casualties in the area planted in 1898, but all failed for want of rain. Date seeds were sown in small patches along streams. An area of 68 acres was leased to four ryots for the right of cultivation free of assessment on condition of ploughing the land and sowing seed supplied by the department. In the Tungabhadra plantation, 6 acres were planted with mixed species in 2,450 pits, and the seedlings were watered daily and casualties replaced. They are doing well, especially *Dalbergia latifolia*. Old vacant pits were also replanted. Sowings were carried out on 4 acres but the operation was a failure owing to the adverse season. Date seeds were also sown along streams and they also failed. In the Tornagallu plantation also 2,010 pits were dug and mixed species planted and vacant pits replanted, but 50 per cent. of the seedlings were destroyed by wild pig, some died during the hot season. Two thousand bamboo seedlings were planted along a stream and 95 per cent. of these are doing well. The bamboo slips referred to in the previous year's report are also thriving. A nursery has been opened and seeds of mixed species have germinated well. The total cost of the operations referred to above was Rs. 1,376–1–8. Twenty-five acres were sown with date seeds in furrows at a cost of Rs. 9–12–0, but the seedlings were destroyed by wild pig. Fifty acres were sown with seeds of different species at a cost of Rs. 32, and this operation also proved a failure for want of rain. Three hundred bamboo seedlings planted in Chiribi extension at a cost of Rs. 14, shared the same fate. The sowing of date along streams carried out by certain Tahsildars at a cost of Rs. 49, proved also a failure. Bamboo seeds sown in Bellary range germinated well and the plants in the Collector's office compound were watered and casualties replaced. The total expenditure came to Rs. 1,760 against Rs. 1,329 in the previous year, the increase being attributed to a larger area attempted and greater number of plants raised.

The work in *Anantapur* consisted in sowing of date seeds over 48 acres in Anantapur and other reserves against 50 in the previous year; babul seeds were sown in 21 acres against 36 in the previous year in two reserves; and babul, bamboo, casuarina, margosa and *Hardwickia binata* in certain other reserves, bamboo seeds in scattered patches over an extent of 250 acres in Gundumalla reserve and *Hardwickia binata* seeds alone in patches over 37 acres, *Albizzia lebbek* and Ginjapu seedlings were planted out in 2 acres. The results on the whole were poor owing to the drought. But 30 to 50 per cent. of the date seeds sown in the above-mentioned reserve germinated after a little rain. In certain areas there was scarcely any germination,—a result due to inferior seed or belated sowings. The sowing of casuarina, etc., in Upparapalle nursery was successful.

Central Circle.

In *Cuddapah*, no operations were undertaken, owing to the drought, except the sowing of date seeds in unreserved lands in some ranges, which proved unsuccessful.

There was an addition of 27 acres to the plantations in *Nellore*. Forty-eight acres were planted and 21 acres left waste for want of seedlings. The question of commencing planting in August instead of after the setting in of the north-east monsoon is under consideration. The year under report being the second year of casuarina planting according to the prescriptions of the working-plan, it has not been possible to arrive at average cost of a fully established plantation which is presumed to require three years' watering. The average cost incurred up to end of the year under report was Rs. 27 per acre. As regards periods of watering, for the first ten months of the first year each plant is watered daily, but on alternate days for six months in the second and four months in the third year. The results of the past year or two show that a third year's watering may not be absolutely necessary. About 239,000 palmyrah seeds were dibbled in over 366 acres of sandy waste in Kávali taluk.

In *Chingleput*, 6,596 plants of bamboos, tamarind, margosa, iluppai (*Bassia latifolia*) and nagal (*Eugenia*) were planted in the plantations and watered. The result is reported to be satisfactory, 90 per cent. of the seedlings having survived up to the end of the year. In certain closed coupes of Chingleput range and in selected portions of reserves in Tiruvallur range, seeds of different species were sown in furrows 6 feet apart and in pits where ploughing was impracticable. The operation was a failure owing to the unfavourable character of the season. Forty-five neem seedlings planted in Tirukkalikundram rest-house compound are thriving. One hundred bamboo seedlings were transplanted in Wallajabad tope but only 35 survived at the end of the year. Some vengai (*Pterocarpus*) seeds were sown in Meyyúr plantation but only three germinated and the seedlings perished. The cost and upkeep amounted to Rs. 740–13–8 against Rupees 418–12–0.

In *North Arcot*, casualties were very severe among the casuarinas in four plantations along the Pálár river. All planting operations were stopped. One hundred and twenty-three *Kygelia* seedlings planted in Tiruvalam plantation failed. The heavy expenditure incurred in previous years on account of artificial reproduction and cultural operations has proved a mere waste of money. The year's operations were therefore confined to watering surviving plants and dibbing in seeds of indigenous species and sowing broadcast avaram and kolinji during the rains, but this was also a failure owing to drought.

In *South Arcot*, casuarina seedlings were put out in four compartments of the coast plantations. The average expenditure is reported to be Rs. 34 per acre in the first three compartments, planted 6 feet apart, and Rs. 18 per acre in the fourth compartment planted 9 feet apart. No areas in reserved forests were leased out during the year for cultivation of cashew (*Anacardium occidentale*), as the very little grazing available in areas fit for cultivation would have been destroyed by the shade of the plants. There were 2,961 casualties among the bamboos planted during 1895–96 and 1896–97 in the several ranges and only 2,872 survived at the close of the year under report.

In *Salem*, the seedlings of *Eucalyptus marginata* and *gomphocephala*, referred to in the previous year's report, were transplanted. The former are reported to be thriving and the latter died. Seeds of the above two species were sown in the Atur ghaut reserve but they did not germinate at all. The margosa and tamarind plants in the Harúr range office compound tope and 40 graft mango plants in the compound of the Mallápuram forest bungalow are reported to be thriving.

In *Trichinopoly*, as in the previous year, cashew and tamarind seeds were sown in the Irur and Naranamangalam reserves in the Perambalúr range and the result was satisfactory.

In *Tanjore*, an area of 59 acres was planted up with casuarina in the three compartments of Tirumalaivásal plantation and in the Neidavasal plantation at a cost of Rs. 225. There were 33,400 casualties in the three compartments of Tirumalaivásal plantation, — due to the negligence of the Deputy Ranger in charge, the plants not having been sufficiently watered. The plants put out in previous years (1897–98 to 1899–1900) were watered. The total expenditure up to the close of the year under report for 17 acres planted in 1897–98 was Rs. 766, for 30 acres in 1898–99 Rs. 812, and for the 53 acres in 1899–1900 Rs. 636. 8,000 palmyrah seeds were dibbled in along the boundary lines of certain reserves and the seedlings are reported to be doing well. Seeds of *Albizzia odaratissima* and *lebbek*, *Acacia arabica*, Divi-divi, *Inga dulcis*, cashew, *Melia indica* and *Calophyllum inophyllum* were dibbled in in certain reserves and germinated, but died subsequently for want of rain. Seeds of *Memecylon edule*, *Mimusops hexandra* and *Acacia arabica* were dibbled in in the Point Calmere reserve in places where wild pigs had turned up the soil. The seeds germinated, but the seedlings rotted owing to the salt water. Some babul seed was dibbled in near a tank and the seedlings are reported to be living. 240 mango seedlings were planted in two reserves, but they also died for want of rain. At present 1,191 cashew and 65 mango seedlings are reported to be surviving including those planted in previous years.

Southern Circle.

In *South Canara*, no extension was made to the Tannirbhavi casuarina plantation. It is proposed to put out in future *Dalbergia latifolia* and *Pterocarpus marsupium* in the kumeri areas, as the soil is not suitable for teak. The Ullal plantation of Honne and Casuarina in the Mangalore range was disafforested during the year.

49,500 and 40,600 seedlings were raised in Aletti and Adur *kumeri* blocks, of which 34,160 in the former and 30,400 in the latter died leaving 15,340 and 10,200 respectively and including those of the previous years 25,585 and 15,210. The planting of the year under report was done between July and September. The plants put out during the year were 6″ high and those of the year before 1′ on an average. Teak does not seem to do well on the higher ground, but at the foot 2-year old plants have some of them reached 6′, and 3-year old ones 8′ or even 9′ height. The Mahratties have not collected seed during the current year as no attention could be bestowed on the *kumeri* operations owing to the time of subordinates having been taken up in sleeper work. A few plants were, however, put out in the Adur block.

In *North Malabar*, the Burma *toungya* system was tried in 1897, 1898 and 1899, payment being made for surviving plants at 8 annas per 100 in Chedleth and Kanoth and 6 annas in Begur ranges. It was a failure as the Kuruchers (hill tribe) showed complete indifference to results. It was therefore decided during the year to pay the Kuruchers in Chedleth and Begur ranges Rs. 8 an acre for lining and pitting and insist on their planting for nothing in consideration of getting the land free for their cultivation. It is hoped, that this more advanced mode of cultivation may lead to better results, but the hill people are difficult to manage and disappointment may follow. Twenty acres of teak *tuckle* plantation were formed in Chedleth and 25 in Begur ranges. In these cases, the ground was lined and pitted departmentally and the planting done free of cost by Kurumbers (hill tribe). In the former the plants in about 8 acres only survive, the site being a bad one, while the latter are doing fairly well. Both plantations were weeded. In Kanoth range, the *toungya* system was continued and the Kuruchers lined and planted 25 acres with *Hopea parviflora*. The work was done free of cost, but was a total failure. This tree grows naturally in ravines and along river banks. Other species tried by these hill tribes also failed. Jack seeds were destroyed by rats and arsenic is now put round the seeds with some success. More care and forethought is required in the case of *tuckle* plantations. It is useless to try teak in laterite soil and stony hillocks. Suitable sites must be selected

beforehand and a soil map should be prepared and maintained. The same remarks apply to cultural operations. Promiscuous work is of no utility and Divisional-officers must give personal attention to the matter and the girdling and removal of useless trees and sowing of seeds must be done in a systematic manner. Too much stress cannot be laid upon the necessity for regenerating the mixed deciduous forests from which so much of the valuable timber has already been removed and in which artificial means alone can supply the future stock.

In *South Malabar*, 125 acres in the Amarampalam range were planted with teak and an area of 123 acres was prepared for planting. In the plantation of 1899, 32,960 casualties were replaced and in two other plantations the saplings damaged by elephants were coppiced. In the Nilambur range, 600 casualties of *Swietenia macrophylla* in Valluvasheri and about 400 in Pokote were replaced. The large number of casualties in the former is attributed to the hard laterite soil and in the latter to the floods of August 1900. In Pannangode and Ramallúr plantations blanks were filled up by putting out new plants. Of the bamboo seedlings referred to in the previous year's report, all but 300 were destroyed by the heavy floods of August 1900. The surviving 300 seedlings are being planted on the river banks.

In the *Nilgiris*, teak planting in Kurumber cultivation areas was not done, as all the Kurumbers were employed in sleeper operations.

In *North Coimbatore*, sandal seeds were put in the pits from which sandal roots were extracted.

In *South Coimbatore*, all topes except Avanashi palmyrah tope were transferred to the Revenue Department during the year. No cultural operations were carried out during the year, but an attempt has been made to sow teak and other seeds in lines 10 feet apart, the success of which is not reported. Some of the small areas planted with teak at Mount Stuart show a fair measure of success.

In *Madura*, the teak growth is good in one of the plantations, while in the other it was unsatisfactory, the ground being swampy and badly drained. In Gundanshola blue gum plantation, 23,700 new plants were put out and 8,980 casualties replaced which are doing well.

In *Tinnevelly*, no regular plantations were maintained. The cocoanut plantation referred to in the previous year's report continues to do well. *Swietenia mahogani* put down round Mundanthorai bungalow compound has formed into a dense tope and the trees are reported to be from 20 to 35 feet in height. The casuarinas in the Sivanaperi bungalow compound have done fairly well. In Kannikatti compound a few *Hopea*, *Mesua* and *Gluta travancorica* plants were put out to test the rate of growth. Mulberry grows freely. Mango and *Calophyllum inophyllum* grow luxuriantly in Courtallam bungalow compound and a good number of mango, &c., fruit plants were put down during the year. The bamboo plantation near Mundanthorai has been a fair success only and some good clumps are now fit for exploitation.

(3) EARLY THINNINGS; (4) OTHER OPERATIONS FOR THE IMPROVEMENT OF GROWING STOCK.

Northern Circle.

34. In *Ganjám*, creeper cutting was carried out over 2,900 acres in two reserves at a total cost of Rs. 141, while in *Gódávari* the same work was done by the subordinates free of cost. In two plantations the casuarinas were thinned over an extent of 23 acres. The felling of bamboos was regulated over 205 square miles in the Rékapalle hills.

Central Circle.

In *Chingleput*, the only operation was the removal of prickly-pear from Karunguli tope at a cost of Rs. 88.

In the Venkatagirikota plantation of *North Arcot*, a thinning was made of 1,800 sandal, margosa and *Terminalia* trees which were auctioned. A very large number of dead casuarina trees in Tiruvallam and Kilminnal plantation were cut and the outturn 525 tons was sold for Rs. 869. In Palamudi plantation, grass, prickly-pear and thorny bushes were cleared round many of the seedlings, but the operation has not yet been completed. In four other plantations, clearing of prickly-pear was done by subordinates.

In *Salem*, nineteen bamboo blocks were cut on contract under special conditions, which were, however, largely disregarded. In coupes, hollow, crooked, and useless trees were removed as usual.

In *Trichinopoly*, the removal of the undergrowth in coupes in Udaiyárpálaiyam range in order to foster the growth of small timber was abandoned as an error.

In *Tanjore*, climbers were cut in two reserves and in the casuarina plantations at Tirumalavásal.

Southern Circle.

In *South Canara*, no operations were undertaken during the year, as it was found that no effectual supervision could be exercised.

In *North Malabar*, the plantations were weeded. A contract for thinning in Kurchiyat reserve came to an end. The operation has been recognized as a mistake by the Divisional-officer. The supervision of such work is difficult; it leads to fraud and little good can result from it.

In *South Malabar*, 696 acres in the teak plantations were thinned in accordance with the working-plan. Weeding was carried out over 1,381 acres and pruning over 61 acres. Parasites were cleared in 200 acres.

Bamboo clumps were thinned in *South Coimbatore* on contract in six coupes of 236 acres in Sholakarai working circle, the contractor leaving ten bamboos standing in each clump. The cutting of creepers and clearing of weeds in 40 acres of the Ayirangal working circle was carried out.

In *Tinnevelly*, creepers were removed from standards in the coupes. The failure to attend to this in the previous years has had a bad effect on the growth of the standards, especially in Courtallam range. A number of trees regarded as of no value in the timber forests round Kannikatti were girdled.

There are few operations under this heading that cannot be fairly demanded of subordinates' personal labour and it is hoped that, as the qualifications of the subordinates improve, so the good work done will increase.

(5) Experiments.

35. The results of experiments made with exotics are given below :—

Acacia Arabica.—Seeds sown in *Ganjam* were thriving.

African seeds.—In *South Malabar*, as in the previous year, these plants did not thrive and only 12 survived against 22 in the previous year.

Agave ixtyle.—In *Bellary*, 26 Sissal hemp plants were doing well out of 50 tried. In *North Arcot*, out of 594 plants referred to in the previous year's report, 351 survived at the close of the year under report. They were inspected by an Agricultural Inspector who requested that they be sent to Hindupur. In *South Arcot*, there were 190 casualties due to want of rain and 446 survived.

Bamboos.—In *South Malabar*, the large clump of *Arundinaria Brandisii* referred to in the previous year's report continues to flourish. Of twenty plants of the species raised, 16 were destroyed by floods and the remaining four were planted at Edacode and are doing well. The heavy floods broke also many of the culms of the large clump of *Bambusa vulgaris* referred to in the previous year's report, while others were slow in growth as in the previous year. Of the fourteen plants of the species also referred to in the previous year's report, only five survived after the floods and they were planted out.

Rubber trees.—The different kinds of rubber trees are reported to be doing well in *South Malabar* and several of them are now in seed, a small quantity of which was collected and sent to the Curator of the Government Botanical Gardens, Ootacamund, at his request and in return he sent fifty *Kickxia Africana* plants. They were put down in Aravillikava and are also reported to be doing well.

Ceara rubber.—In *South Coimbatore*, the Ceara rubber plants are growing and have now attained a height of 12 feet on an average, but have gained little in girth. The shade left over the trees is excessive.

Cardamoms.—In *North Coimbatore*, some seeds were sown experimentally at Bellagi during the year. The experiment has not been a success.

Dalbergia sissu.—Seeds sown in *Ganjam* were thriving.

Date.—In *Kistna*, no satisfactory progress was made as seeds could be collected only in May, but supplies of seeds were made to the Tahsildars who with Range officers were instructed to sow them in suitable places. The Range officer, Vinukonda, dibbled seeds in in one acre of land

and the seedlings are reported to be in good condition. In *North Arcot*, there were 19 casualties during the year among the 87 plants in Palmanér range. There are now 258 plants in different places. In *South Arcot*, there were 6 casualties among the Persian date palms and 72 survived at the close of the year. *Anantapur* district is reported to be unsuited to date palm growth and the 258 trees put down in 1881 and 1886 still bear no fruit.

Dillenia Indica.—In *South Coimbatore*, only one plant survives in Pollachi range and its height is 1½ feet. This experiment has proved a failure.

Divi Divi.—Of the 2,100 plants put down in 1886 in Kilminnal plantation of *North Arcot*, there are 2,012 trees of 7½ feet in height and they are thriving. The seeds sown in *Ganjám* also have produced thriving seedlings.

Durian plants.—In *Vizagapatam*, the plants supplied died at Waltair (probably by being kept too long unplanted) before being sent to the Jeypore plateau. In *South Malabar*, 19 survived out of 30 planted. In the *Nilgiris*, all the plants died and it is stated that the climate is not suited to this plant. In *Madura*, 30 plants were put down at Tandigudi, Pachalur and Alagar hill, but nearly all died.

Eucalyptus.—In *North Arcot*, there were 806 blue gum trees in Palmanér range, but they did not thrive owing to the poorness of the soil. In *Salem*, the seedlings referred to in the previous year's report were transplanted in certain fenced areas and they are reported to be thriving, but the plants put down on the bank of a stream near Yercaud road died. Some seeds sown in the Atúr ghaut reserve did not germinate at all. In the *Nilgiris*, five species of *Eucalyptus* were doing well, while the growth of the other five species was poor.

Ficus elastica.—In *Ganjám*, some seeds were obtained from Chittagong and Assam and sown in boxes. The seeds received from the former germinated, while those from the latter had not germinated at the close of the year. Of the seedlings obtained, 100 were taken by the Conservator, 175 transplanted in Chatrapur reserve and the balance will be transplanted during the rains of 1902.

Grevillea robusta.—In *Cuddapah*, 140 seedlings were planted in Balapalle nursery, but 28 only were surviving at the close of the year. This tree appears to grow at both high and low elevations with straight stems and is of a handsome appearance. Much more might be made of it both economically and for ornamental purposes.

Hevea rubber.—In *Cuddapah*, some seeds were sown and some of them germinated, but subsequently died owing to failure of rain and excessive heat.

Hœmatoxylon campechianum.—With a view to improve the swamp growth in *Gódávari*, some logwood seeds were obtained two years ago and sown. Only one seedling developed and it is believed that many were mistaken for weeds and destroyed. The surviving plant is 6 feet high and will be transplanted in Kandikuppa reserve. The trees in the forest bungalow compound are doing well. In *Kistna*, ten plants are reported to be thriving in the Weld and Gopuvanipalem reserves with heights from 3 to 5 feet and with diameters from 2 to 3 inches.

Kygelia pinnata.—Of the plants put down in the different plantations in *North Arcot* in 1884 and 1897, 125 survive and they are thriving.

Mahogany.—Nothing is reported from *Ganjám* about the three plants referred to in the previous year's report. Fresh seeds were sown at Chatrapur and Russellkonda, but 12 only germinated. In *Vizagapatam*, the broad-leafed mahogany introduced by Mr. Peet thrives at Palkonda and also close to the sea, notably at Palkonda where it grows very fast. Fresh seeds were sown but none germinated before the close of the year. In *Gódávari*, the plants put down some years ago in the compound of a bungalow in the delta are doing well. Of the plants of the previous year in *Kistna*, only one survived in the Weld reserve. Fresh seeds were sown and it is reported that a large number of them have germinated. In *Kurnool*, the experiments of the previous years proved a total failure. Fresh seeds were sown only in June last. In *Cuddapah*, only 45 survived out of 76 referred to in the previous year's report. Of those transplanted, only 39 survived and did not look healthy at the close of the year. Out of 152 transplanted during the year, 39 only are alive. In *Chingleput*, the plants put down in previous years are reported to be thriving. In *North Arcot*, half a pound of seeds sown in Kilminnal plantation did not germinate. Of the old plants in the different plantations, 174 were surviving at the close of the year with heights varying from 2½ feet to 25½ feet and all but two are doing well in Kylasagiri. In *South Arcot*, two pounds of *Swietenia mahogani* seeds were sown in three ranges and two pounds of *Swietenia macrophylla* were sown in two ranges. One Range officer reported the germination of nine seeds of mahogani, while the others have made no reports. The Kallakurchi Range officer has reported the germination of 21 *macrophylla*. There were 100 casualties among old plants due to failure of rain and 316 were surviving at the close of the year. In *Anantapur*, 20 trees are now living with heights varying from 10½ feet to 22 feet. In *South Canara*, the growth of mahogany was good in all places except in Jatkamala in Udipi range. In *North Malabar*, the plants of the previous year are reported to be doing well. In *South Malabar*, 513 seedlings of *Swietenia macrophylla* were planted during the year. Those planted from 1890 to 1894 are growing well, and they are from 20 feet to 42 feet in height. The average growth was 1 foot in height and 1 inch in girth.

5,200 seeds were sown at Panangode and 50 per cent. of them germinated. Two trees standing on the road leading to the District Forest-officer's bungalow at Nilambúr seeded during the year and four pods containing 300 seeds were obtained. These seeds were also sown and 25 per cent. germinated. The big *macrophylla* tree in Chathamborai referred to in previous year's report measured 90 feet in height and 79 inches in girth against 89 feet 4 inches and 78 inches in the previous year and is now 29 years old, the increments being 8 inches height and 1 inch girth against 1 foot 1 inch height and 2 inches girth of the previous year. As suggested by the Inspector-General of Forests, the dominating teak branches and all the Ceara rubber trees growing among the mahogany trees in Aravillikava and Panangode plantations were removed. The growth was very poor in the *Nilgiris*. In *South Coimbatore*, two pounds of seeds were sown in different places in Pollachi, Udamalpet and Bolampatty ranges, but none of them germinated. There were 33 casualties among the old plants, the remainder are reported to be doing well. In *Madura*, the plants put down in previous years are thriving.

Mallotus Philippinensis.—An experiment was made to secure groups of this species in the Goomsur range bungalow compound in *Ganjám* and proved a failure, while seedlings in certain reserves were promising.

Mango seeds.—In *Chingleput*, the plants put down in previous years thrive. There have been very few failures among the trees planted twenty yards apart along the four miles of the Maliah boundary in *Ganjám*.

Ipecacuanha.—Out of twelve plants in *South Malabar*, eight were destroyed by the floods of August 1900 and the surviving four are not doing well.

Peltophorum ferrugineum.—Of the plants put down in *Tanjore* in 1886, 24 are now living with an average height of 22½ feet.

Pterocarpus indicus.—In *North Malabar*, some seeds were sown in a nursery at Manantoddy, but a few only germinated.

Pterocarpus marsupium.—In *Cuddapah* and *South Arcot*, 100 seeds of *Pterocarpus* and *Macrocarpus* were sown in nurseries and watered regularly. In the former none germinated and the seeds supplied are believed to have been bad and the result in the latter has not been reported.

Pterocarpus Santalinus.—Some half a dozen seedlings are doing well in *Gódávari*.

Sterculia elata.—Out of 37 plants in *South Malabar*, 23 are surviving.

Teak.—About 600 seedlings in *Ganjám* are thriving.

In the *Nilgiris*, the growth of *Syncarpus laurifolia*, *Bucklandia populnea*, *Grevillea robusta*, *Frenela rhomboida*, *Dendrocalamus Hamiltonia* and *Sikkemensis*, *Cupressus Macrocarpa*, and *Casuarina suberosa* planted in previous years was good, while that of *Curtis faginia*, *Acer camphellii*, *Cryptomeria Japonica*, *Pinus longifolia* and *Martuna* and *Cupressus Lawsoniana* was poor. No plants of *Podocarpus elongatus* were visible. *Grevillea robusta* and *Nelanji cedar* plants were excellent in the Baduga plantations.

Pinus longifolia appears to be a promising tree for the Palni hills in *Madura*.

Taken all round the above results are poor and discouraging and it is feared that in many instances failure is due, less to the causes stated, than to indifference and ignorance on the part of Range officers, and it is questionable how far such experiments should be continued generally or whether it is not advisable to introduce more system into them and confine them to promising localities and selected officers and to conduct them in such cases on a larger scale.

(*d*) *Exploitation of major forest produce.*

(1) Clear or re-generation fellings.

Northern Circle.

36. In *Gódávari*, 13·2 acres in the Bandamurlanka casuarina plantation were clean felled in accordance with the working-plan. The provisions of the working-plan for the Gopuvanipalem reserved forest and its extension No. 2 in *Kistna* prepared by Mr. Eber Hardie were adhered to and coupe No. 1 of 15·20 acres was clean felled and a sum of Rs. 150 realized.

Central Circle.

In *Chingleput*, 30 acres in the Meyur plantation were clean felled, as most of the trees were badly grown and stunted. It is proposed to plant this area with *Anacardium occidentale* in furrows 6 feet apart.

In *South Arcot*, four compartments of casuarina plantations, 64·17 acres, were sold to contractors for clean felling and the area will be replanted. In *Tanjore*, 45 acres in the casuarina plantations were sold standing to contractors. The outturn was 368 tons of sized wood sold for Rs. 3–12–0 a ton and 128 tons sold for As. 12 of unsized

wood. Trees of different kinds were also felled and removed from certain unreserved lands in Pudukkudi and Tholarapatti villages, realizing a revenue of Rs. 105. Babul was felled in Perambore tank-bed on contract at Rs. 2–8–0 and Rs. 3–7–0 per ton of sized wood and As. 6 per ton of unsized wood. The total outturn was 224 tons of the former and 210 tons of the latter and the revenue realized was Rs. 736. In Vaimodu block about 75 tons of Mangrove wood were felled and sold for Rs. 56 at As. 12 per ton.

Southern Circle.

In *North Malabar*, 25 acres were clean felled at Chedleth for planting teak. The outturn was 4,373 cubic feet of timber of different species. In *South Malabar*, 123 acres in coupe I of the Karimpoya reserve were clean felled by a contractor at his own expense for teak planting. He paid Rs. 4,611 for the timber and bamboos removed from the area.

(2) SELECTION FELLINGS.

Northern Circle.

37. The only departmental work undertaken in *Ganjám* was the felling of 30 sâl (*Shorea*) trees for supply to the Ordnance Factory in Madras. In *Kistna*, a few trees were cut in coupe No. 2 of Gopuvanipalam casuarina plantation and sold for Rs. 113. The babul wood from the Bezwada reserve was sold to the Manager of the Kistna Cement Works at Rs. 3–4–0 per ton for big wood and Rs. 2 per ton for small wood. The departmental collection of valuable timbers in *Kurnool* for supply to depôts was continued. 14,280 cubic feet of timber were brought to depôts and 19,858 cubic feet sold, realizing Rs. 11,374. In *Bellary*, 162 sandalwood trees were felled, converted into billets at a cost of Rs. 184 and sold for Rs. 2,162 and in *Anantapur*, palmyra trees were marked and sold *in situ* as in the previous year.

Central Circle.

In *Chingleput*, selection fellings were carried out and 221½ tons of babul wood were supplied to the South Indian Railway, and 198 tons to the Madras Arsenal at a net profit of Rs. 5–3–11 and Rs. 5–7–4 per ton, respectively. In *North Arcot*, five timber contracts were given in Vellore, Polur and Gudiyáttam, trees being marked before felling. The contractors felled and removed 9,568 cubic feet on payment of seigniorage. 812 casuarina trees were felled in Tiruvallam and Kilminnel plantations and supplied to the Kolar Gold Fields for mine props. 190 sandal trees were felled in the Javadi hills, converted into billets and sold in auction at Vellore. In *South Arcot*, two bamboo areas in Kallakurichi range were worked under a selection system, leaving 10 culms in each clump. In *Trichinopoly*, departmental felling under a selection system was carried out in Adavathur and Punganur reserved forests for supply of fuel to the Boer camp and Central Jail, Trichinopoly. The total outturn was 43,450 cubic feet and a net profit of Rs. 684 was realized from the supply made to Central Jail, while the value of fuel supplied to the Boer camp was not realized during the year. In Nadu Ar reserved forest of *Tanjore*, 106 casuarina trees were felled and removed at a cost of 4 annas each.

Southern Circle.

In *South Canara*, *Terminalia tomentosa*, *Xylia dolabriformis* and *Hopea parviflora* trees were felled and converted into 3,640 logs of 68,427 cubic feet for conversion into sleepers.

All the reserves in *South Malabar* were worked under the selection system.

The fellings carried out in Kurchiyat and Begur reserves in *North Malabar* were on a small scale, for want of elephants for dragging owing to the sleeper operations. The yield was 29,890 cubic feet excluding 35,787 cubic feet felled for sleepers.

In the *Nilgiris*, 421 trees were felled in the Mudumalai range for sleepers. In Sigur range sandalwood roots were collected. The fuel plantations of Ootacamund and Coonoor were worked for fuel and charcoal. In *North Coimbatore*, 15,218 dead, dying and mature sandalwood trees were cut and converted into 7,413 maunds of cleaned sandal, and 198,361 bamboos were collected departmentally during the year. Thirty-one Kongu (*Hopea*) trees were felled in the Ambásamudram range in *Tinnevelly* but further felling was stopped under the orders of the Conservator, as the forests had been overworked. 6,327 cubic feet were removed by contractors, the trees being marked by departmental officers and paid for by contractors at a fixed rate per cubic foot of fashioned timber. As the system has proved most wasteful, changes are being introduced.

(3) Improvement fellings and (4) coppice fellings and coppice with standard fellings.

Northern Circle.

38. Improvement fellings were carried out in 100 acres of Digomettu block in *Kurnool* yielding 200,215 cubic feet of wood sold as fuel. Nothing was done in this respect in any other district of the circle.

In *Gódávari*, 1,640 acres in Upputeru reserve, 119 acres in Koringa reserve, 26 acres in Rameshwaram reserve and 751 acres in Kandikuppu reserve were coppiced, the trees in the first case being either coppiced or pollarded. 211 acres in Devancheruvu, Mallavanam, Murari, Kogida and Jadikalagudi were felled under the coppice with standard system in accordance with working-plan.

In *Kistna*, the whole of coupe No. 5 and a portion of coupe No. 6 of the Guntúr Babul Working Circle were coppiced, leaving standards. The remaining portion of the latter could not be felled by the contractor owing to the absence of demand and floods in the Kistna river.

In *Kurnool*, three coupes of 1,376 acres were felled under coppice with standards and the outturn was 311,745 cubic feet of fuel.

In *Bellary*, fellings were carried out in Rámandrúg range in accordance with the working-plan. Coupes were also worked in the Donimalai, Hyrada and Shivapuram reserves in the north-east range.

Central Circle.

77 acres in Balapalle Working Circle, and 341 acres in Seshachalam and Settigunta reserves in *Cuddapah*, were treated under coppice with standards. The cutting was done by contractors and the rate obtained was Rs. 6 per acre. In *Chingleput*, 2,174 acres were worked by contractors under a similar system. Here they were compelled to cut and remove thorny growth which was utilised in the construction of fences to enclose the areas exploited. In *North Arcot*, 30 coupes covering an area of 6,728 acres were worked by contractors for supply of engine fuel to the railway and five coupes with an area of 263 acres were sold for use in sugarcane-boiling and for supply of small timber and fuel to ryots for agricultural and domestic use. In *South Arcot*, 12 coupes aggregating 890 acres and seven village coupes of 124 acres were sold for felling under coppice with standards. Village coupes were opened wherever there was demand. The cutting of thorny growth and fencing in of the area cut were enforced as an experiment in the sale of a coupe in Tiruvannámalai range, but it resulted in a decrease of Rs. 2 per acre in the average sale rate. The result as regards reproduction is being watched. A large area of coupes in *Salem* was worked on the coppice with standard system and the operation served the purpose of improvement fellings also, as all the hollow, crooked and useless trees were removed. In *Trichinopoly* improvement fellings were carried out in 12 coupes of 1,090 acres by a contractor. The realization was Rs. 1,554. Five coupes of 414 acres in Vaiyampatti range were worked by contractors under coppice with standards and the revenue realized was Rs. 1,665. In *Tanjore*, a number of dead casuarina trees in plantations

in Shiyali taluk were cut and removed as improvement fellings. The total yield was 200 tons and the revenue realized was Rs. 500. Three coupes comprising an area of 178 acres in the Vettangudi reserved forests were felled over by a contractor and the price realized was Rs. 650 against Rs. 880 in the previous year.

Southern Circle.

Three coupes comprising 204 acres in *South Canara* were felled over by a contractor under coppice with standards. The average price realized was Rs. 8–8–2 per acre against Rs. 8–8–0 in the previous year. 628 cubic feet of timber were felled by the Kadike contractor on payment of Rs. 29 plus 1 anna per cubic foot. A sum of Rs. 326 was realized by sale of two compartments for felling. Improvement fellings were carried out in *South Malabar*. *Terminalia paniculata* and other inferior species were allowed to be felled and removed by contractors from Karimpoya and Nellikutta reserves. 866 trees yielding 107,640 cubic feet of timber were thus removed. In *North Coimbatore*, a portion of Bennari coupe IV and coupe 2 of Kanakampálaiyam were opened to permit-holders for extraction of firewood, and in *Madura* 1,442 acres in Palamedu and Kanavoipatti ranges were sold standing to be worked under the coppice with standard system and the work is reported to have been done fairly well.

(5) Unregulated Fellings.

39. Felling and removal of produce under permits continues to exist in almost all the districts. It is restricted to the removal of inferior classes of timber, fuel and bamboos required in most cases to meet local demand.

Northern Circle.

In *Gódávari*, it was found necessary to prohibit the removal of all species of timber on a commercial scale in Bhadráchalam taluk pending the preparation of a simple working-plan. The restrictions imposed on the issue of permits in the Bastar State forests caused an increased demand for timber in the unreserved lands of Bhadráchalam and the Rumpa forests. As the demand was great, permits for teak were stopped, pending consultation with the Conservator, and the Rumpa forests also have been closed temporarily for felling for commercial purposes under orders of the Collector as Government Agent.

In the Markapur and Cumbum ranges of *Kurnool*, second-class timber is removed on permits, as there are no depots in those ranges.

Central Circle.

In *North Arcot*, the system was confined to the removal of bamboos in Chandragiri range and in *South Arcot* to the removal of produce from the unreserved lands. In *Trichinopoly*, unregulated felling is being gradually abandoned.

Southern Circle.

In *South Canara*, a revenue of Rs. 3,936 was realized from unregulated fellings against Rs. 3,863 in the previous year and a further sum of Rs. 846 was realized as value of fuel used for sandal and cinnamon oil stills and that of the cinnamon leaves utilized for distilling the oil.

The unregulated fellings in *North Malabar* included, as in the previous year, free grants made to poor ryots living in or near the forests and useful to the department in supplying labour when wanted; while in *South Malabar*, bamboos were allowed to be removed from certain reserves by contractors for floating the timber purchased by them. They were also permitted to fell and remove dead and wind-blown trees from Nilambur and Amarampalam ranges in advance of the selection fellings provided for in the working-plan. Firewood was removed from Chenat Nair and Walayar reserves.

In *Tinnevelly*, unregulated fellings are permitted in unreserved lands only and the permit system is in force for manure leaves of unclassified trees, grazing, stone and a few items of minor produce.

(e) Extraction and transport of major forest produce by land and water.

Northern Circle.

40. In *Ganjám*, some sâl timber was felled towards the close of the year and that seized in an Agency case in Chokapad was carted to the Rusellkonda sale depôt. A quantity of timber of different species was extracted from the Agency forests of Vizagapatam and removed to Narsipatam depôt, a portion being sold for Rs. 381. Some *Eugenia* timber also was extracted from the plain forests. In *Gódávari*, 52 *Xylia* logs felled in the previous year were dragged to the river bank by buffaloes and floated to Rajahmundry for supply to the Public Works Department for trial. A further consignment of 350 logs will be transported later on and it is hoped that the Public Works Department will use this species regularly. It is also proposed to convert this timber into narrow gauge sleepers and a contractor who does a large trade in sleepers has offered to exploit the coupes under the provisions of a working-plan.

The mode of extraction and transport of timber in Kurnool has not been reported, but it is presumed that there was no change in the system reported in the previous year. A large quantity of fuel was railed to Nandyal for local sales and a small quantity of bamboos was railed from Chalama block to Dhone experimentally, but it proved a failure financially.

In *Bellary*, removals are made by country carts and rail.

Central Circle.

The transport of produce extracted was easily effected in *Chingleput*, the areas worked being near roads, canals, or rail, while in *North Arcot* produce was as usual transported by carts, ponies, donkeys and coolies. In *Trichinopoly*, 5,492 casuarina poles and a quantity of fuel were felled departmentally and supplied to the Boer camp, South Indian Railway, and Central Jail, Trichinopoly, carts and rail being the means of transport.

Southern Circle.

In *South Canara*, some fuel was shipped to Bombay from Port Baindur and 3,706 sleepers were shipped from Mangalore to Badagara in native crafts. Some rivers afford the means of water carriage for transport of timber and they ought to be developed, as a great difficulty is experienced in getting carts in the cultivation season and carts and bullocks are small. In *North Malabar*, there was no change in the mode of carriage of timber to depôts. Five thousand bamboos were floated from Kanoth to Tellicherry for sale which fetched a net profit of Rs 330. In *South Malabar*, timber was floated to Calicut from Nilambur and Amarampalam ranges, while in Palghat range the transport to depôts was by carts. The railway sleepers sawn in the Benne forests of the *Nilgiris* were carted to Karimpoya, a distance of 43 miles, and thence floated to Calicut. The transport was done on contract. The collection of sandal roots, which were stored in Masnigudi depôt, was done by Kurumbers. The mode of extraction and transport of sandalwood in *North Coimbatore* and of timber in *South Coimbatore* and *Tinnevelly* has not been reported, but it is presumed that there was no change in the methods reported in the previous year. A large quantity of sawn timber was transported from the forests by means of a wire ropeway in *South Coimbatore* from the head of the ghaut to the foot. All the *South Coimbatore* sleepers destined for the Madras Railway were transported by rail from Podanur to Calicut.

The facilitating of means of extraction and transport is one of the most important points for consideration in Forest administration. As they improve, so will the revenue and the benefits derived by the public increase.

(*f*) *Exploitation of minor forest produce.*

(1) Extraction of Fodder.

Northern Circle.

41. Owing to short rainfall and scarcity of fodder, the Badráchalam forests in *Gódávari* were thrown open to grazing until 1st October 1900 and free cutting of grass was permitted in *Kurnool*. These concessions affected the revenues of the districts. In *Kurnool*, the collection was only Rs. 4 against Rs. 155 in the previous year. There was a profit of Rs. 118 by sale of grass in Palkonda, *Vizagapatam* district. The collection in *Anantapur* amounted to Rs. 197 against Rs. 88 in the previous year, the increase being attributed to the favourable season and discipline enforced among subordinates, while in *Bellary* it fell from Rs. 1,524 in the previous year to Rs. 1,485 during the year under report.

Central Circle.

A sum of Rs. 27 was realized in Chingleput by sale of thatching grass. In *North Arcot*, there was no departmental collection and sale of fodder grass, but the right of collection of edible and thatching grasses was leased out. There was no demand in *South Arcot* for fodder grass owing to the prohibition to hold cattle fairs on account of plague. Permits were issued in Trichinopoly for removal of grass and in some cases the right of collection was auctioned for a period of not more than one year.

Southern Circle.

In *South Canara*, the right to cut and remove grass was sold for Rs. 570 against Rs. 466 in the previous year and in *South Malabar* a sum of Rs. 57 was realized from sale of grass.

(II) Grazing.

42. Grazing fees remained the same as in the previous year in all districts excepting *Gódávari* and *South Arcot*. The fees levied on alien cattle proceeding to Rumpa were fixed as As. 4 per buffaloe and As. 2 per bull. Sanction was accorded to levy As. 8 per buffaloe and As. 4 per bull in the case of delta cattle grazing in Polavaram and Yelleshwaram agency unreserves. In *South Arcot*, enhanced rates were levied on foreign cattle grazing in nine of the reserves in Tiruvannámalai range. A separate grazing fee was collected for each block grazed over except in Tindivanam range, where a few cattle were allowed to graze in two reserves on payment of a single fee.

The following statement compares by circles the revenue realized under "grazing and grass removals" during the year under report and that immediately preceding :—

Circle.	1899-1900.	1900-1901.	Difference.
	Rs.	Rs.	Rs.
Northern	1,79,065	1,91,587	+ 12,522
Central	2,24,396	2,35,732	+ 11,336
Southern	86,304	83,132	— 3,172
Total ..	4,89,765	5,10,451	+ 20,686

There was thus a satisfactory increase of Rs. 20,686 for the Presidency, about 60·6 per cent. of which was contributed by the Northern Circle, the Southern Circle showing a decrease of Rs. 3,172. The revenue decreased in *Kistna*, *Cuddapah*, *Chingleput*, *South Canara*, *South Malabar* and *North Coimbatore*, where it fell from Rupees 75,207, Rs. 34,520, Rs. 13,477, Rs. 5,251, Rs. 108 and Rs. 46,137 to Rs. 66,666, Rs. 30,143, Rs. 12,975, Rs. 4,368, Rs. 65 and Rs. 38,860, respectively. In all other districts it increased but principally in *Kurnool*, *Bellary*, *Anantapur*, *Nellore*, *North* and *South Arcot*, *Salem* and *Madura*, where it rose from Rs. 39,220, Rs. 33,344, Rs. 8,230, Rs. 37,237, Rs. 31,119, Rs. 39,529, Rs. 52,757 and Rs. 13,439 to Rs. 41,505, Rs. 40,014, Rs. 18,059, Rs. 43,585, Rs. 34,775, Rs. 42,897, Rs. 54,312 and Rs. 15,385, respectively.

The system of grazing on payment of double fees was taken little advantage of by graziers in *Kistna* and this accounts for the fall in revenue in that district. In *Cuddapah*, the decline in the revenue was due to the free grazing allowed in the reserves and to the casualties among cattle. There was a slight fall in *Chingleput* on account of bad season. The slight decrease in *South Canara* is attributed to the attention of the establishment having been diverted to sleeper operations, while in *North Coimbatore*, there was a decrease of over Rs. 7,000 in spite of the additional area opened in Doddasampagai reserve and the opening of a portion of Palayar-Kombai block for goat-browsing and it is attributed to the serious mortality among cattle in Satyamangalam and Bhavâni ranges and to the commencement of collections somewhat late in the year. The decrease in *South Malabar* is small and calls for no remarks. The revenue realized in *Kurnool* was the highest on record contributed chiefly by Ramallakota range from the admission of a larger number of goats and sheep and would have risen still more had there been a good range officer for Markapur. The appointment of a larger number of permit-issuing officers and more systematic check and supervision account for the increase in *Bellary*, while in *Anantapur* the increase was partly the result of the summary removal of many corrupt subordinates who habitually connived at illicit grazing, and partly of the admission of goats for a part of the year. The increase of revenue in *Nellore* was due to the extension of the permit system and prompt issue of permits. The exertions of certain rangers in *North Arcot* resulted in an increase in that district which was to a certain extent counterbalanced by the apathy shown by two other rangers who have since been suspended. Though there was a slight increase in *South Arcot*, the number of foreign cattle licensed was small. This is attributed to the scarcity of fodder in spite of a better season and to the local cattle owners taking out permits early and getting possession of the ground usually resorted to by foreign cattle. The increase in *Salem* was due to the constitution of additional reserved lands and to the better supervision and check exercised. The latter reason accounts for the increase in *Trichinopoly*, *Tanjore* and *Madura* added in the case of the last-named, to the appointment of special permit-issuing officers. In *North Malabar*, the increase is attributed to the census of cattle made in the previous year and to the fact that in that year the number of cattle licensed was small on account of disease. The increase in *South Coimbatore* was on account of the opening of additional areas referred to in the previous year's report under "regulation of grazing and protection from cattle."

(3) Miscellaneous Produce.

43. As reported in previous years, the collection of miscellaneous produce was, with but few exceptions, leased out to contractors.

Northern Circle.

In *Ganjám*, 5,000 lb. of sundergundi or kamela powder (*Mallotus philippinensis*) were supplied to a firm experimentally at a net profit of Rs. 200, but it is considered uncertain whether any large order will be received on account of the delay in shipping. Samples of gall-nuts, *Nux vomica* seeds and *Cassia fistula* bark have since been sent to the same firm and orders are expected. The right of collection of *Cassia fistula* bark was leased out in only one range. The seigniorage on export of minor produce in *Vizagapatam* amounted to Rs. 5,934 against Rs. 6,714 in the previous year, the decrease being attributed to the smaller quantities sent to market. In *Gódávari*, fees were levied on export of minor produce from the Rumpa and Agency tracts, while in the non-agency forests permits were issued. The revenue in Rajahmundry and Peddapur ranges came to Rs. 13,776 and a sum of about Rs. 7,000 was realized in Ellore from barks, and usufruct of toddy-yielding and fruit trees. A sum of Rs. 8,366 was realized in *Kistna* on leases of *Cassia auriculata* bark and also Rs. 140 on *Cassia fistula* bark. The revenue from tree-tapping in *Kurnool* was Rs. 19,716 against Rs. 15,701 in the previous year and the Chenchus enjoyed the right of collecting minor produce in the Nallamalais as usual.

In *Bellary* and *Anantapur*, stones, leaves for manure, thatching grasses, etc., were removed on permits. The right of collection of other minor produce in these two districts was leased out on contract.

Central Circle.

In *Chingleput* and *Tanjore*, stones, leaves for manure, thatching grasses, etc., were removed on permits. The collection of Divi-divi pods departmentally was undertaken in *North Arcot* and *Trichinopoly* with satisfactory results. A special coupe was worked in *South Arcot* for supply of thorns, etc., to the Merkanam salt factory. The right of collection of other minor produce in *Chingleput*, *North Arcot*, *Trichinopoly* and *Tanjore* was leased out on contract.

Southern Circle.

In *South Canara*, the manufacture of catechu, extraction of wood oil and collection of cardamoms were done departmentally. Fifteen tons and 628 lb. of catechu, against 15 tons and 1,757 lb. in the previous year, were manufactured at Rs. 184 per ton and sold for Rs. 641 a ton or at a loss of Rs. 44 as compared with the previous year's rate. A further quantity of 1 ton and 1,466 lb. of inferior catechu was also manufactured from the dead trees in Baindur, Savantagudde and Kadike reserves at a cost of Rs. 276 per ton and sold for Rs. 992 at Rs. 600 a ton. Fifteen maunds of wood oil were extracted from *Dipterocarpus lævis* at a cost of Rs. 50. There was not much demand for this oil and consequently 4½ maunds only could be disposed of at Rs. 12 per maund. It is, however, certain to be sought after and it is matter for regret that a larger quantity cannot be obtained. The Mysore Government has put on guards near Shiradi in Uppinangadi range under the impression that much of the oil collected comes from the Coorg and Mysore forests, but this is not the case. Fifteen and three-seventh maunds of cardamoms were collected at a cost of Rs. 502 and sold for Rs. 451. The loss of Rs. 51 has not been explained. In *North Malabar*, collection of minor produce was done departmentally in Begur range, while the right of collection in Chedleth range was leased for Rs. 150 and that in Kanoth reserve and the working of the pepper plantation at Kanoth was leased for Rs. 400 per annum. The crop of oranges at Neduthana fetched Rs. 380. The departmental collections were very small and all except the cardamoms were sold for Rs. 30. In the *Nilgiris*, *North Coimbatore*, and three ranges in *South Coimbatore*, minor forest produce was collected departmentally. The collections of the *Nilgiris* were disposed of on tender to a Mysore contractor, but he was not able to pay for and remove the produce owing to the plague regulations. The revenue from sale of kraal manure was low owing to the slackness of the planting industry caused by the fall in the price of coffee. In *North Coimbatore*, there was an increase in the collection of gall-nuts and a decrease in all other products. The reasons for the short collections were the reductions in the rates given for collection of honey and wax, a bad season for tamarind, the exhaustive collection of vembadam bark in the previous year and collection of soap-nut not being profitable.

In *Madura*, stones, leaves for manure, thatching grasses, etc., were removed on permits. The revenue from minor produce removed by purchasers, etc., on permits was Rs. 7,185 against Rs. 6,200 in the previous year. The increase was due to the increased demand for manure-leaves owing to the extension of wet cultivation in the district. The best means of increasing the supply of leaf-manures of all kinds in some districts has now become a question of much importance. The minor produce lease amount was short by about Rs. 10,000 as compared with that of the previous year, owing to want of competition. There was an increase of Rs. 2,252 in the cardamom rents due to the grant of new leases during the year.

In *Tinnevelly*, the revenue under minor produce was Rs. 11,114 against Rs. 22,938 in the previous year. The decrease is apparent only as Rs. 16,000 collected on account of fasli sales have been credited in the accounts for the current year. It is probable that as time goes on, departmental collections will be more extended. They are in various ways more advantageous than contract sales.

CHAPTER III.—GROSS YIELD AND OUTTURN OF FOREST PRODUCE.

44. The following abstract shows the total outturn of timber and other produce collected during the year as compared with that of the previous year.

ABSTRACT I.—Comparative yield as per Forms Nos. 55, 56, 72A and 72B.

—	Timber (in cubic feet) including sandalwood (at 40 cubic feet a ton).		Fuel (in cubic feet) (at 40 cubic feet a ton).		Bamboos (in numbers).		Minor produce (gross value in rupees).*	
	1899-1900.	1900-1901.	1899-1900.	1900-1901.	1899-1900.	1900-1901.	1899-1900.	1900-1901.
1	2	3	4	5	6	7	8	9
By Government Agency ..	567,324	568,039	3,210,384	3,052,275	384,925	318,782	49,365	43,142
By purchasers (including confiscations)	2,274,117	2,586,246	11,115,841	11,162,236	27,306,029	29,421,494	10,07,674	10,05,958
By free grants	58,380	67,489	9,188	351,343	166,515	196,964	3,063	2,431
By right-holders	1,773	1,671	257,574	257,544	21,289	21,314	40,061	40,149
Total ..	2,901,594	3,223,445	14,592,987	14,823,398	27,878,758	29,958,554	11,00,163	10,91,680
Increase or decrease in 1900-1901 as compared with 1899-1900	..	+ 321,851	..	+ 230,411	..	+2,079,796	..	— 8,483
Percentage of increase or decrease over the previous year	..	+ 11·0	..	+ 1·6	..	+ 7·4	..	— ·8

* Includes value of grass cut and grazing fees.

The results under all heads except "minor produce" show an increase. The variations are explained below :—

Section I.—Departmental Operations.

45. The following abstract shows the produce collected and disposed of departmentally during 1900-1901 as compared with that of the previous year :—

Produce collected.	During 1899-1900.			During 1900-1901.		
	Quantity.	Cost.	Average.	Quantity.	Cost.	Average.
1	2	3	4	5	6	7
		Rs.	Rs. A. P.		Rs.	Rs. A. P.
Timber .. .. C. ft.	564,056	68,769	0 1 11	562,218	1,49,170	0 4 3
Fuel .. .. „	3,210,384	1,43,412	0 0 9	3,052,275	1,27,214	0 0 8
Bamboos .. .. No.	384,925	6,665	0 0 3	318,782	8,449	0 0 5
Sandalwood .. .. C. ft.	3,268	4,232	1 4 9	5,821	7,545	1 4 9
Minor produce .. .. Mds. (25 lb.)	43,848	25,421	0 9 5	39,049	20,899	0 8 7
Total ..	..	2.48,499	..	..	3,13,277	..

Produce disposed of.	During 1899-1900.			During 1900-1901.			Stock on 1st July 1900.	Stock on 30th June 1901.
	Quantity	Cost.	Average.	Quantity.	Cost.	Average.		
	8	9	10	11	12	13	14	15
		Rs.	Rs. A. P.		Rs.	Rs. A. P.		
Timber .. .. C. ft.	357,387	1,71,832	0 7 8	766,693	2,77,285	0 5 10	766,463	561,988
Fuel .. .. .. „	2,948,644	2,44,200	0 1 4	3,107,002	2,12,429	0 1 1	993,150	938,423
Bamboos .. .. No.	406,390	7,929	0 0 4	279,353	7,821	0 0 5	48,463	87,892
Sandalwood .. .. C. ft.	3,243	28,382	8 12 0	5,819	41,208	7 1 4	1,162	1,164
Minor produce Mds. (25 lb.)	40,507	49,251	1 3 5	35,970	47,195	1 5 0	18,075	21,154
Total ..	..	5,01,594	..	..	5,85,938	..	..	..

Compared with those of the previous year, the collections show a decrease in the quantity of produce collected under all heads except sandalwood. The decrease under *Timber* occurred principally in *Cuddapah*, *North Malabar*, the *Nilgiris*, *North* and *South Coimbatore* and *Tinnevelly*. This decrease was somewhat counterbalanced by an increase mainly in *Bellary*, *North Arcot*, *Trichinopoly*, *South Canara*, and *South Malabar*. That in *Cuddapah* was due to the non-collection of the budgetted quantity of redwood roots and stumps in Pullampet range as a portion of the previous year's collection remained unsold, while that in *North Malabar* was due to the non-carrying out of the annual fellings fully for want of elephants and because a large quantity of timber had been felled in the previous year for conversion into railway sleepers. The decrease in the *Nilgiris* was due to the felling being restricted to *Terminalia tomentosa* trees for sleeper operations, in order to give rest to the forests, and to the absence of a demand for poles owing to the prevalence of plague in Mysore. The decrease in *North Coimbatore* and *Tinnevelly* was due to the stoppage of departmental operations in the Bhavání range of the former, for want of demand and for sylvicultural reasons in the latter, while in *South Coimbatore* the quantity of timber felled in the Tekadi leased forests was reduced because of the large stock of timber that remained undisposed of at the beginning of the year. The increase in *Bellary* is attributed to the felling operations in the leased forests carried out in accordance with the working plan; that in *North Arcot* was due to the larger collection of casuarina poles to meet the increased demand from the Kolar gold mines and other contractors and that in *Trichinopoly* has not been explained. In *South Canara* and *South Malabar* the large increase was due to sleeper operations, and in the latter district, coupe VII of the natural forests of the Nilambúr valley had to be worked one year in advance, as the stock of sound timber was found insufficient to supply the required number of railway sleepers.

Under *Fuel*, the decrease occurred chiefly in *Vizagapatam*, *Nellore*, *Salem*, the *Nilgiris*, *South Coimbatore* and *Madura*, but was partly counterbalanced by an increase mainly in *Gódávari*, *Kistna*, *Kurnool*, *Bellary*, *Cuddapah*, *Chingleput*, *North Arcot*, *South Canara* and *South Malabar*. The decrease in *Vizagapatam* was due to Narasapatam coupe being boycotted for half the year, and that in *Nellore* to the temporary cessation of work in Sríharikóta on account of the large stock of fuel remaining unsold. The stoppage of fellings in the reserves in the Shevaroy West and East Working Circles pending receipt of sanction to the working-plans, has caused a decrease in *Salem*. The decrease in the *Nilgiris* was due to causes explained in the previous year's report and also to cutting of fuel in private plantations, while that in *South Coimbatore* was on account of non-felling of coupes prescribed for the year in the Ayirangal and Chinnar Working Circles as there remained a large stock of fuel unsold. The stoppage of departmental operations accounts for the decrease in *Madura*. The increase in *Gódávari* and *Kistna* has not been explained, while that in *Kurnool* was due to the supply made to the Southern Mahratta Railway, to the collection of fuel from the area cleared around the Chelama Railway station and to improvement fellings carried out in the Diguvametta block worked last year, and that in *Bellary* was due to causes already explained under *timber*. The large yield from the improvement fellings carried out in certain compartments of Thunakonda reserve in *Cuddapah* explains the increase in that district. No explanation for the increase in *Chingleput* and *South Canara* has been furnished in the district reports. The increase in the collection of fuel in *North Arcot* is explained to be due to the felling of a large number of casuarina trees killed by the severe drought, and that in *South Malabar* was on account of treating the wastage from sleeper operations as firewood, no other means of disposing of it offering itself.

Under *Bamboos*, the decrease occurred chiefly in *South Arcot*, *Cuddapah*, and *North Coimbatore* and was partly counterbalanced by an increase chiefly in *South Malabar*. In *South Arcot*, it was not considered necessary to undertake departmental felling of bamboos for providing labour to the Malayalees as in the previous year. No departmental collection of bamboos was undertaken in *Cuddapah*, on account of slackness of demand, while in *North Coimbatore*, the demand fell considerably and the Attani depot had to be closed. The increase in *South Malabar* was due to the floating of timber from Karimpoya and two other reserves to Beypore for sawing into sleepers.

Under *Sandalwood*, the increase occurred mainly in *Bellary* and *North Coimbatore*, but no explanation has been furnished in the reports of those districts.

Under *Minor produce*, the decrease occurred mainly in *Vizagapatam*, *Nellore* and *Salem* counterbalanced by increase chiefly in *South Arcot* and *North Coimbatore*. The reports from *Vizagapatam* and *Nellore* furnish no explanation for the decrease. In *Salem*, owing to the unfavourable season during the second half-year, free cutting of grass was permitted in all specially protected blocks and coupes and consequently a smaller quantity of hay was collected. The increase in *South Arcot* resulted from the supply of thorns to the Salt department, while that in *North Coimbatore* has not been explained.

Under *Disposals*, the total quantity shows an increase under all heads except *bamboos* and *minor produce*. There was increase under *timber* chiefly in *Ganjám*, *Bellary*, *South Canara*, *North* and *South Malabar*, the *Nilgiris* and *South Coimbatore*. The increase in *Ganjám* was due to the disposal of greater quantity of timber on dharkast lands, that in *Bellary* was on account of the larger collections made in conformity with the provisions of working-plans as explained under *collection*, while that in other districts was due to the conversion and sale of a large quantity of railway sleepers, details of which undertaking are given in the appendix I.

The disposals under *fuel* increased chiefly in *Kurnool*, *South Canara*, *South Malabar*, the *Nilgiris*, and *South Coimbatore*. But the increase was partly counterbalanced by decrease mainly in *Bellary*, *Cuddapah*, *Nellore*, *Salem* and *Trichinopoly*. The increase in *Kurnool*, *South Canara* and *South Malabar* was due to causes explained under *collections*. The increase in the *Nilgiris* and *South Coimbatore* was due to a small reduction in the rate. The decrease in *Bellary* was due to markets having been flooded with imported fuel from *Kurnool* and other districts, while that in *Salem* has been already explained under *collections*. The decrease in *Cuddapah* was on account of slackness of demand, that in *Trichinopoly* was due to the smaller quantity of engine fuel supplied to the South Indian Railway, and that in *Nellore* has not been explained.

Under *bamboos*, the disposals show a decrease chiefly in *South Arcot* and *North Coimbatore* partly counterbalanced by increase mainly in *South Malabar*. The variations have been already explained under *collections*.

Sandalwood shows a slight increase, which has not been explained.

Under *minor produce*, disposals decreased chiefly in *Vizagapatam*, *Bellary*, *Nellore* and *Salem*; but increased chiefly in *South Arcot*, the *Nilgiris* and *North Coimbatore*. The variations for all except *Bellary* and the *Nilgiris* have been already explained under *collections*. The decrease in *Bellary* and the increase in the *Nilgiris* have not been explained.

As regards cost of collection, there was a decrease in the rate under all heads except *timber* and *bamboos*. The increase in the case of *timber* was due to the inclusion of the charges incurred for sleeper operations in *North Malabar* and *South Coimbatore*, while that under *bamboos* in *Bellary* was due to the charges incurred in carting bamboos to Tornagal sale depôt and in *North Arcot* to the longer distance from which produce was exported to the sale depôt at Vellore. The decrease in the rate for *fuel* was due to a larger quantity disposed of on the spot in *Bellary*, and to the low rate of felling and carriage charges paid in *Trichinopoly*, but this was partly reduced by increased rate paid in *North Arcot* for the transport of fuel supplied to the Central Jail from a longer distance, in *South Arcot* to expenditure incurred on sample areas coppiced to serve as a model to contractors and in the *Nilgiris* to payment of carriage on fuel supplied to Government House and the Secretariat offices, and in *South Coimbatore* to the purchase of wire rope and tin plates for standards in the coupes of the Chinnar working circle. The decrease in the rates for *sandalwood* occurred in the *Nilgiris* owing to less cost incurred in chipping on account of the superior quality of wood, but this was partly reduced by an increased rate in *Salem* due, it is said, to inadequate supervision and in *North Coimbatore* to a large number of trees felled having

contained a very small proportion of heartwood and to transport charges incurred on chips, which in previous years had been left in the forests. The decreased rate of *minor produce* was due to smaller collection of more valuable produce in *North Coimbatore* and to less collection of cardamoms in *South Coimbatore*.

The average rate realized on sales shows a decrease under all heads except *bamboos* and *minor produce*. The decrease under *timber* was due to low prices obtained for timber sold from darkhast lands in *Ganjám* and to the sale of inferior kinds of timber in *Tinnevelly*. Under *fuel*, the decrease was caused by the disposal of fuel to contractors at Tornagal at a lower rate instead of supplying them to the Bellary mill at a somewhat increased rate and by the small reduction made in the selling rate in the *Nilgiris*. The increased rate under *bamboos* is attributed to the sale of larger-sized bamboos at Tornagal depot in *Bellary* district and also in *South Arcot*. The decrease in the rate for *sandalwood* was on account of the sale of different classes in *Bellary* by tender which fetched a low price. Under *minor produce*, the increase was due to the better rates obtained in *North Arcot*.

Section II.—Removals by Purchasers.

46. The subjoined abstract shows the quantity and value of timber and other produce removed by purchasers during the year under review as compared with those of the preceding year :—

(Form No. 72 A.)

Abstract K.—Produce removed by purchasers.

	During 1899–1900.			During 1900–1901.		
	Quantity.	Amount of sales.	Average.	Quantity.	Amount of sales.	Average.
Northern Circle.		Rs.	Rs. A. P.		Rs.	Rs. A. P.
Timber .. .. .. C. ft.	1,313,516	1,39,361	0 1 8	1,408,258	1,78,087	0 2 0
Firewood .. .. .. ,,	2,698,974	51,864	0 0 4	2,776,511	58,424	0 0 4
Bamboos .. .. .. No.	15,273,688	74,206	0 0 1	13,624,373	66,422	0 0 1
Grass and grazing	..	1,79,051	..	..	1,92,244	..
Minor produce	..	2,33,283	..	..	2,04,645	..
Total ..	..	6,77,765	..	..	6,99,822	..
Central Circle.						
Timber .. .. .. C. ft.	516,559	62,039	0 1 11	654,498	53,216	0 1 4
Firewood .. .. .. ,,	3,759,016	1,49,479	0 0 8	3,879,755	1,45,150	0 0 5
Bamboos .. .. .. No.	8,615,324	80,160	0 0 2	12,673,695	58,210	0 0 1
Grass and grazing	..	2,24,962	..	..	2,35,331	..
Minor produce	..	1,94,713	..	..	2,19,851	..
Total ..	..	7,11,353	..	..	7,11,758	..
Southern Circle.						
Timber .. .. .. C. ft.	371,983	54,575	0 2 4	447,445	42,755	0 1 6
Firewood .. .. .. ,,	4,621,740	1,05,508	0 0 4	4,429,218	1,02,789	0 0 4
Bamboos .. .. .. No.	3,367,484	20,247	0 0 1	3,088,308	18,908	0 0 1
Grass and grazing	..	86,266	..	..	83,132	..
Minor produce	..	89,108	..	..	69,770	..
Total ..	..	3,55,704	..	..	3,17,354	..
Presidency Total. Timber .. .. C. ft.	2,202,058	2,55,975	0 1 10	2,510,201	2,74,058	0 1 9
Presidency Total. Firewood .. .. ,,	11,079,730	3,06,851	0 0 5	11,085,484	3,06,363	0 0 5
Presidency Total. Bamboos .. .. No.	27,256,496	1,74,613	0 0 1	29,386,376	1,43,540	0 0 1
Presidency Total. Grass and grazing ..	..	4,90,279	..	..	5,10,707	..
Presidency Total. Minor produce	..	5,17,104	..	..	4,94,266	..
Grand Total of Sales ..	..	17,44,822	..	..	17,28,934	..

The total value of removals by purchasers shows a net decrease of Rs. 15,888 as compared with that of the previous year as shown in the margin. The decrease occurred under all classes of produce except *timber* and *grass and grazing*.

		Rs.
Timber	+	18,083
Fuel	—	488
Bamboos	—	31,073
Grass and grazing	+	20,428
Minor produce	—	22,838
Total ...	—	15,888

Under *timber*, there was a noticeable increase in *Ganjám*, *Gódávari*, *Kistna*, *Bellary* and *Salem* partly counterbalanced by a decrease chiefly in *Chingleput*, *North Arcot*, *North Malabar* and *Madura*. The increase in *Ganjám* was due to better season and supervision exercised by the executive staff; that in *Gódávari* was on account of the restriction placed on removal of timber from Rumpa, pending consultation with the Conservator and better rates obtained, while that in *Kistna* has not been explained. In *Bellary*, the increase arose from the increased demand for lands for cultivation under the darkhast rules and to collection of the value of standing trees on ruined tank-beds given for cultivation. In *Salem*, it was due to greater prevalence of tree growth on darkhast lands. The decrease is accounted for (1) in *Chingleput* by the absence of demand owing to unfavourable season and a fall in the number of darkhast applications, (2) in *North Arcot* by the cancellation of the timber contracts for non-fulfilment of the conditions of the agreement, (3) in *North Malabar* by the closing of the thinning contracts in the Kurchiyat reserve and by the non-removal of timber by the deadwood contractor and (4) in *Madura* by a decrease in the number of darkhast applications.

Under *fuel*, there was a decrease chiefly in *Cuddapah*, *Nellore*, *North Arcot*, *Salem*, *South Canara* and *Tinnevelly* nearly counterbalanced by the increase which occurred chiefly in *Kistna*, *South Arcot*, *North Coimbatore* and *Madura*. The decrease in *Cuddapah* and *North Arcot* is explained by the unfavourable season which resulted in there being no demand for fuel coupes in the latter district; that in *Salem* was due to the issue of a larger proportion of dead firewood permits, while that in *Tinnevelly* was due to not taking into account the recent fasli sales and to smaller demand. The falling off in the number of sandalwood stills has caused a corresponding decrease in the revenue of *South Canara* district. No explanation has been furnished for variations in the district reports of *Nellore* and *Kistna*. In *South Arcot*, the increase is attributed to the brisk demand and to the sale of unsold casuarina coupes of the previous year during the year under report; that in *North Coimbatore* to greater demand that arose in the Kollegal range and that in *Madura* to a greater number of fuel coupes having been sold in Palamedu and Kanavoipatty ranges.

Under *bamboos*, the decrease was specially noticeable in *Gódávari*, *North Arcot* and *Salem*. In *Gódávari*, it arose from a lack of demand from sugarcane planters; that in *Salem* is ascribed to the contractor of bamboo blocks having been allowed to sell permits at a lower rate than the Government rate and to non-realization of the amount anticipated in Salem (East) and Atur ranges, while that in *North Arcot* was due to causes explained under *fuel* against that district.

The variations under *grazing* have been already explained in chapter II.

Under *minor produce*, the decrease occurred chiefly in *Kurnool*, *Bellary*, *Anantapur*, *Nellore*, *South Canara* and *Tinnevelly*. The decrease in *Kurnool* and *Bellary* was due to the inclusion of the revenue from the sales of *Cassia auriculata* bark of 1900–1901 in the previous year's accounts; that in *Anantapur* was due (1) to the non-transfer of the revenue from the sales of jolly and amroy from deposit to Forest revenue, and (2) to the revenue from *Cassia auriculata* bark having been abnormally raised in the previous years by the collection of certain arrears, while that in *Nellore* has not been explained. The decrease in *South Canara* is attributed to the fact that minor produce farms are sold once in two years, the greater part of the total amount having been shown in 1899–1900 as revenue though realized in the course of two years by instalments. The large decrease in *Tinnevelly* is apparent only as Rs. 16,000 collected by fasli sales in June was brought to account only after the close of the year. The decrease was partly counterbalanced by increase principally in *North Arcot*, due to the inclusion of the lease amounts for the two subsequent years 1901–1902 and 1902–1903 during the year under report.

47. The following statement shows the comparative cost of departmental and private working and the net profit derived under each system :—

Items.	Measure.	Quantity sold.	Amount of sale-proceeds.	Charges.			Net profit or loss.	Rate of net profit (column 8 ÷ column 3) per measure in column 2.
				A. Conservancy and works.	B. Establishment and contingencies.	Total.		
1	2	3	4	5	6	7	8	9
Departmental Working—			Rs.	Rs.	Rs.	Rs.	Rs.	Rs. A. P.
Timber	C.F.	766,693	2,77,285	1,49,170	1,02,629	2,51,799	+ 25,486	+0 0 7
Fuel	,,	3,107,002	2,12,429	1,27,214	87,523	2,14,737	— 2,308	
Bamboos	No.	279,353	7,821	8,449	5,813	14,262	— 6,441	—0 0 4
Sandalwood	C.F.	5,819	41,208	7,545	5,191	12 736	+ 28,472	+4 14 8
Minor produce	MDS.	35,970	47,195	20,899	14,379	35,278	+ 11,917	+0 5 4
Private Working—								
Timber	C.F.	2,510,201	2,74,058	16,488	34,165	50,653	+2,23,405	+0 1 5
Fuel	,,	11,085,484	3,06,363	18,431	38,192	56,623	+2,49,740	+0 0 4
Bamboos	No.	29,386,376	1,43,540	8,635	17,894	26,529	+1,17,011	+0 0 1
Grazing	..	..	5,10,707	30,725	63,667	94,392	+4,16,315	..
Minor produce	..	..	4,94,266	29,735	61,617	91,352	+4,02,914	..

The rate of net profit obtained by working *timber* departmentally was slightly less than that realized under private agency. The decrease in profit was due mainly to the non-realization of the full value of sleepers supplied to the Madras Railway; *fuel* and *bamboos* also showed a loss and this was due principally to want of demand for fuel in *South Coimbatore* and *Nellore* and for bamboos in *North Coimbatore*. The decrease under *sandalwood* as compared with the previous year's rate, was due to causes explained in paragraph 45. The increase in the profit realized under *minor produce* was on account of better rates obtained.

48. The sales of confiscated produce during the year under report, as compared with those of the previous year, are recorded in the subjoined abstract:—

(Form No. 72-B).

Abstract L.—Confiscation.

	During 1899–1900.			During 1900–1901.		
	Quantity.	Value.	Average.	Quantity.	Value.	Average.
Northern Circle.		Rs.	Rs. A. P.		Rs.	Rs. A. P.
Timber .. .. C. ft.	51,979	4,887	0 1 6	63,717	6,178	0 1 7
Firewood .. .. .. ,,	5,463	288	0 0 10	43,731	559	0 0 2
Bamboos .. .. No.	13,402	185	0 0 3	12,159	55	0 0 1
Minor produce .. Money value.	..	83	..	..	606	..
Total ..	..	5,443	..	..	7,398	..
Central Circle.						
Timber .. .. C. ft.	11,085	1,178	0 1 8	3,103	1,134	0 5 10
Firewood .. .. .. ,,	7,741	410	0 0 10	9,997	832	0 1 4
Bamboos .. .. No.	3,950	80	0 0 4	8,157	144	0 0 3
Minor produce .. Money value.	..	101	..	..	227	..
Total ..	..	1,769	..	..	2,337	..
Southern Circle.						
Timber .. .. C. ft.	8,995	2,048	0 3 8	9,225	2,178	0 3 9
Firewood .. .. .. ,,	22,907	1,213	0 0 10	23,024	935	0 0 8
Bamboos .. .. No.	32,181	262	0 0 2	14,802	160	0 0 2
Minor produce .. Money value.	..	107	..	..	152	..
Total ..	..	3,630	..	..	3,425	..
Presidency Total.						
Timber .. .. C. ft.	72,059	8,113	0 1 10	76,045	9,490	0 2 0
Firewood .. .. .. ,,	36,111	1,911	0 0 10	76,752	2,326	0 0 6
Bamboos .. .. No.	49,533	527	0 0 2	35,118	359	0 0 2
Minor produce .. Money value.	..	291	..	..	985	..
Grand Total ..	..	10,842	..	..	13,160	..

The amounts realized by sales show an increase of about Rs. 2,318, which occurred mainly in *Gôdâvari* where more timber, fuel and minor produce and in *Trichinopoly* where more sandalwood were seized.

Referring to the remarks contained in paragraph 7 of the review of Government of India of the Forest administration of the Madras Presidency during 1899-1900 on the subject of differentiating produce confiscated on lands under the management of this department, the orders on the subject were received too late for information to be furnished in district reports. It has, however, been since ascertained in the Southern Circle that no difficulty arises in this respect.

49. The following abstract statement shows the quantity and value of produce removed by right-holders and free grantees :—

	Timber.		Fuel.		Bamboos.		Minor produce.	Grazing.	Total value.
	Cubic feet.	Value.	Cubic feet.	Value.	Number.	Value.	Value.	Value.	
By Right-holders.		Rs.		Rs.		Rs.	Rs.	Rs.	Rs.
Northern Circle	1,311	94	257,510	4,828	20,489	128	38,866	760	44,616
Central Circle	..	..	..	..	..	..	..	356	356
Southern Circle	360	54	34	2	825	2	224	3	285
Total ..	1,671	148	257,544	4,830	21,314	130	39,090	1,059	45,257
By Free-grantees.									
Northern Circle	17,912	1,722	788	49	43,015	248	60	52	2,131
Central Circle	38,676	2,442	343,900	4,616	139,944	1,967	690	1,536	11,251
Southern Circle	10,901	2,357	6,655	342	14,005	110	18	75	2,902
Total ..	67,489	6 521	351,343	5,007	196,964	2,325	768	1,663	16,284

Losses caused by house-burning in *Vizagapatam*, *Bellary*, *Anantapur*, *Cuddapah*, *Kistna*, *North and South Arcot*, *North and South Coimbatore*, *Madura* and *Tinnevelly* were made good to the owners by free grants to enable them to rebuild. Fewer applications were received in *Kurnool* as the Tahsildars were ordered by the Collector to certify that applicants were really in indigent circumstances and unable to pay for permits. One hundred cubic yards of stones were allowed to be removed free by an applicant from a reserve in the Alur taluk in *Bellary* district to repair a well situated near Mugamunagundi for the use of the general public. In *South Arcot*, the usual grants of fuel for feeding the poor in the Kandiri and Masimakam festivals by Muhammadans and Hindus, respectively, were made, and of timber, bamboos and rattans in *North Coimbatore* to construct a public chavadi in the Kollegal range. Information regarding free cutting and removal of grass in the several districts has been given under Regulation of grazing in the preceding chapter.

CHAPTER IV.—FINANCIAL RESULTS.

50. The subjoined table compares the financial results of the year under review with those of the preceding year. There was a net increase of Rs. 80,272 :—

Forest year.	Circle.	Revenue.	Expenditure.			Net results.
			"A. Conservancy and Works."	B. "Establishments."	Total.	
		Rs.	Rs.	Rs.	Rs.	Rs.
1899-1900 ..	Northern	7,13,954	2,29,397	2,65,661	4,95,058	+ 2,18,896
	Central	9,63,093	2,85,449	2,94,553	5,80,002	+ 3,83,091
	Southern	6,36,460	3,17,555	2,95,581	6,13,136	+ 23,324
	Total ..	23,13,507	8,32,401	8,55,795	16,88,196	+ 6,25,311
1900-1901 ..	Northern	7,79,146	2,13,108	2,57,146	4,70,254	+ 3,08,892
	Central	9,34,847	2,76,620	3,14,479	5,91,099	+ 3,43,748
	Southern	7,29,780	3,86,322	2,90,515	6,76,837	+ 52,943
	Total ..	24,43,773	8,76,050	8,62,140	17,38,190	+ 7,05,583

The gross receipts for the Presidency exceeded those of the previous year by Rs. 1,30,266, and the total expenditure was in excess by Rs. 49,994. The increase of Rs. 1,58,512 under revenue was contributed by the Northern Circle and Southern Circle, but was partly reduced by a decrease of Rs. 28,246 in the Central Circle. Under expenditure, there was an increase of Rs. 74,798 in the Central Circle and Southern Circle and a decrease of Rs. 24,804 in the Northern Circle.

The outstanding revenue due to the department at the close of the year under report was Rs. 2,05,942 against Rs. 2,35,656 of the previous year.

The variations under the several budget heads of revenue and expenditure which occurred during the past two years are explained below:—

Receipts—Departmental Agency.

Timber, + *Rs.* 1,05,453.—Due mainly (1) to the sale of sleepers to the Madras Railway in *South Canara* and *South Malabar*, the revenue from this source belonging to *North Malabar*, *the Nilgiris* and *South Coimbatore* having been adjusted in the latter district, and (2) to the disposal of redwood roots and stumps in *Cuddapah*. The increase would have been still greater if the full value of sleepers supplied had been realized from the Railway.

Fuel, — *Rs.* 31,771.—The decrease was due (1) to absence of demand in *Bellary*, the market having been flooded with produce from *Kurnool* and other districts; (2) to non-sale of a large stock of wood lying felled in Srîharikota and Coast ranges in *Nellore*; and (3) to less quantity of fuel supplied to the railway in *Salem*.

Bamboos, — *Rs.* 108.—Small and calls for no explanation.

Sandalwood, + *Rs.* 12,826.—Due mainly to larger sales in *Salem* and *North Coimbatore*.

Minor produce, —*Rs.* 2,056.—The decrease occurred chiefly in *South Coimbatore* where the crop of cardamoms was poor and reduced further by lessees of coffee estates on the Anamalais having been allowed to collect cardamoms on unopened lands.

Removals by Purchasers.

Timber, + *Rs.* 31,616. Due mainly to placing restrictions on and raising the rates for small timber removed from unreserved lands in Bhadrâchalam taluk of the *Gódávari* district; (2) to greater demand and to realization of the value of standing trees on darkhast lands and ruined tank-beds granted for cultivation in *Kistna* and *Bellary* respectively; and (3) to sale of dead and wind-blown and other inferior kinds of trees in *South Malabar*.

Fuel, + *Rs.* 31,579.—The brisk demand for and sale of unsold casuarina coupes of the previous year in *South Arcot* and sale of more fuel coupes in *Madura* accounted for the increase.

Bamboos, — *Rs.* 21,379.—Attributed to slack demand in *Gódávari* and *North Arcot* and also partly to an unfavourable season in the latter and to leasing out of blocks instead of working them under permit system in *Salem*.

Grazing, + *Rs.* 20,686.—Due, as already explained elsewhere, to exercise of better protection and to allowing goats to browse in some of the reserves.

Other produce, — *Rs.* 9,236.—Ascribed to the inclusion of outstanding revenue from tangedu bark in the previous year and to the non-adjustment of amount of revenue from Jolli and Amroy sales in *Anantapur* and to absence of demand and falling off of value of bark in *North Arcot*.

Other revenue, — *Rs.* 7,344.—Due chiefly to the collection of arrear rents of coffee estates on the Anamalais during the preceding year.

The expenditure under " A. Conservancy and Works " increased by Rs. 43,649. The increase under I is justified by the increase under the corresponding head of revenue and was due chiefly to the conversion and supply of sleepers departmentally to the Madras Railway. The increased expenditure under " Live-stock, Stores, Tools and Plant" is accounted for by feed and keep of a large number of elephants with increased rations in *North Malabar*, by the purchase of ten pairs of bullocks for tramming and

carting purposes and of additional plant for the saw-mill and wire ropeway at Mount Stuart and by the repairs done to the tram trucks in *South Coimbatore*. The variations under A-VII have been explained under "Communications and Buildings." The expenditure under "A-VIII. Improvement and Extension of Forest" fell short of the previous year owing (1) to the special work of clearing reserve boundaries in *Gódávari* carried out as a famine work in the previous year, whereas no such work was done in the year under report; (2) to non-completion of demarcation works in *Gódávari*, *Kurnool* and *South Canara*; (3) to no such expenditure as that deposited in the District Court for the acquisition of private forests in *Vizagapatam* having been incurred during the year; (4) to non-employment of temporary surveyors in *Gódávari* and *Kurnool* for the whole year; and (5) to the employment of fire-patrols for less than the sanctioned period and to less expenditure involved in clearing fire lines in *Cuddapah*.

The cost of establishment increased slightly and is owing to the promotions of subordinates to higher grades; to the payment of Wynaad and local allowances for a part of the year to the subordinates serving in *North Malabar* and the *Nilgiris* according to the revised scale sanctioned by Government and to the introduction of the re-organization scheme for the office establishment during the latter part of the year. Of the districts that contributed to the net surplus, *Salem* stands first with 19 per cent., *Gódávari* next with 18, followed by *South Malabar* (where the value of sleepers of other districts was also adjusted) with 13 per cent., *Kurnool* with 11, *Bellary* and *Kistna* each 10. The *Nilgiris* shows the large deficit of Rs. 46,113 attributed (1) to the non-adjustment of the value of railway sleepers supplied; (2) to continued absence of demand for charcoal by the breweries; and to the felling of a large quantity of fuel in private plantations. The establishment is also a costly one. *North Malabar* and *South Coimbatore* also showed deficits of Rs. 39,537 and 25,566, respectively, partly due to the non-adjustment of the value of sleepers supplied from those districts, and also in the former case to the fact that timber felled during the year was not sold as it could not be dragged to sale depots for want of elephants and to the fall in the price of gum-kino and in the latter to the utilization of much available good teak and *Terminalia tomentosa* logs for sleeper purposes and no local depôt sales; also to the fall in the lease amount of the collection of Avaram (*Cassia auriculata*) and vembadam barks for want of demand.

In *Vizagapatam*, the money deposited in the District Court for the acquisition of the Karakavilsu forests referred to in the previous year's report was not refunded during the year under review.

CHAPTER V.—IMPORTANT ADMINISTRATIVE CHANGES.

51. *Realization of revenue from the usufruct of toddy-yielding trees from Government waste and poramboke lands.*—In *Ganjám*, *Vizagapatam* and *South Canara* the revenue under this item was small. The Collector of *Ganjám* brought to notice that the rate for the usufruct of toddy-yeilding trees was not uniform throughout the district as ordered by Government, and suggested that the present rate of two annas in Berhampur and Goomsur taluks continue until the expiry of the lease already granted. In *Gódávari* there was a slight fall of Rs. 727. A report on the investigation of the damage done by a palm pest to the date trees in the delta was received and orders issued that the incisions should be tarred after the expiry of the toddy-drawing season and that all dead trees attacked by borer should be burnt under the supervision of the Revenue Inspectors. In *Bellary* and *Anantapur*, the tree-tax system was in force and the revenue realized was Rs. 18,954 and Rs. 11,244, showing an increase of Rs. 1,668 in the former and a decrease of Rs. 2,359 in the latter. In the first-named district, special rates were fixed for tapping trees in reserved forests according to demand. In one range only the demand was brisk, in another there was a small collection of Rs. 85, while there were no applications at all in the other three ranges. In *Cuddapah*,

there was not much demand for tapping of trees in reserved forests and the system of charging a fixed fee of four annas per tree was continued and the revenue amounted to Rs. 7,032 which was chiefly from unreserved lands. The large demand for toddy in *Nellore* and the small number of trees available necessitated the non-disposal of the usufruct of palm trees (leaves and fruit) without previous reference to the Abkári department. Special rates of one anna for palmyra and date trees and Re. 1 for cocoanut trees were charged. On references from the Collectors of *Salem and Trichinopoly*, the Board has instructed them to levy two annas per tree tapped for sweet juice as a trial, subject to report on the results in July 1902, and to leave the enjoyment of the usufruct to the villagers for *bonâ fide* domestic purposes in places where there is no demand, while in places where the stock is in excess of the villagers' actual requirements to put up the trees in auction subject to the condition that the purchasers should take only what is left by the villagers. There was a decrease of Rs. 1,606 in *North Arcot* due to the unfavourable character of the season. In *South Arcot*, the fixed fee system will be introduced during the current year, as the right to the usufruct was wrongly included in the leases for minor forest produce. There was no revenue in *Malabar* and *Madura* for reasons given in the previous year's report, while in *South Coimbatore* no tappers could be induced to go to Dhalli for tapping the palmyra trees in the Dhalli block of Udamalpet range. Date is not tapped for toddy in the division. In the reserved forests of *Tinnevelly*, 10 year leases are being introduced gradually as the annual leases have proved a failure. The fixed fee system resulted in a loss of Rs. 1,000 during the year, the reason for which has not yet been reported.

52. *Measures adopted to encourage the growth of manure-leaf yielding trees and shrubs.*—In the Northern Circle, no steps were taken to encourage the growth artificially as an adequate supply of leaves is usually obtained outside the reserves. In *Bellary* trees on Government waste lands were leased out for leaf-cutting to the adjoining pattadars and there were no complaints against the system. In the Central Circle, as in the previous year, very little was done in this direction except in *Chingleput*, *North Arcot* and *Tanjore*. In *Chingleput* some sowing and planting was done in certain selected coupes and the result was satisfactory in spite of the unfavourable character of the season, but the growth in *North Arcot* from broadcast sowing in blanks and abandoned fields in the Pólúr range was poor. In *Tanjore* seeds of various species yielding manure leaves were sown in Point Cailmere reserved forest. The seeds germinated well but the seedlings died on account of salt water. A further experiment will be made during the current year. In *South Arcot* the system of inducing a fresh crop of leaves by coppicing shrubs and climbers was a success and coppice shoots grew luxuriantly within three months of cutting in almost all cases. Manure leaves from unreserved lands are removed free and those in reserved forests are removed on payment of five annas per cart-load to the minor produce lessee. No operation could be undertaken in *Trichinopoly* owing to the unfavourable season. No steps were taken in this direction in the Southern Circle except in *Tinnevelly*. The demand in *Malabar* was as usual met from private lands, while that in *South Coimbatore* was met from unreserved lands. In *Madura* provision has been made for a supply of manure leaves in the working-plans. The extension of wet cultivation, resulting from the completion of the Periyár project, makes the question of the provision of manure leaves in this district one of great importance, and attention will have to be given to artificial production on a large scale. In *Tinnevelly*, the experimental sowing of *Tephrosia purpurea* proved on the whole a failure. The germination was considerable but most of the plants withered. The surviving seedlings were left on the ground for seed. The Divisional-officer fell into an error in the matter which he has recognised and further experiment is now being made.

53. *Supply of forest produce to meet the wants of the people.*—In *Vizagapatam*, a number of permit issuing and checking stations were opened in convenient localities. A depôt was opened at Narasipatam and supplies made were chiefly to the Local Fund department. An experiment made for the collection of timber suitable for agricultural implements in Palkonda was not encouraging. The demand for agricultural implements in *Gódávari* was not good. Arrangements have been made for opening some experimental fuel depôts in the delta for the convenience of the public as the casuarina

plantations grow up. The demand in other ranges of the district is amply met from the adjoining zamin forests and unreserved lands. In *Bellary*, two additional depots were opened on the Southern Mahratta Railway and a considerable quantity of timber and fuel obtained from coupes and the leased forests was sold to the public at moderate rates. To meet local demand in Pullampet range of *Cuddapah*, a supply of small pieces of redwood useful for agricultural and building purposes was collected and sold periodically in Kodur depot. In *Chingleput*, the fuel coupe contractors were bound to issue permits to the public living within a radius of 5 miles from the coupes for removal of fuel at fixed rates. A depôt was opened in Chingleput town to provide fuel for the poorer classes. A similar system was tried in *North Arcot* but did not work well and a proposal is on foot to open depôts for small timber, sugarcane props and fuel, and to issue permits departmentally. The coupe contractors of *South Arcot* also are being bound to supply timber, etc., to the public at reasonable rates and the question of establishing depôts in the vicinity of villages is under consideration. A stock of agricultural implements was kept in all sale depôts in *Salem* and sold to the ryots. It is however understood that the demand and sales are poor and the ordinary ryot is not satisfied with the wood provided. In *Madura*, efforts are made to meet the wants of the people as far as possible in the working-plans. In *Tinnevelly*, coupe contractors are compelled to sell fuel to the general public at ordinary seigniorage rates. In *Anantapur*, *Trichinopoly* and *Tanjore* it is reported that every facility is given to the public, and in other districts also it may be assumed that reasonable arrangements have been made and attention is being paid by the Working-plans officers to the necessity for making provision in working-plans to meet the wants of the people. The demand for hay in *Salem* was slack. Four stacks built in the previous year were sold and one stack built during the year under report has not been disposed of for want of demand. At the instance of the Government of India, the Madras Government called for a report on the possibility of devising measures for departmental hay making. A reply was sent to Government stating that no measures were undertaken recently in the Presidency and that enquiries will be made in the matter.

54. *Rules under the Forest Act.*—In the Northern Circle, the timber transit rules and other rules under the Forest Act are reported to have worked satisfactorily in all districts except *Gódávari* where the timber transit rules now in force are said to require reconsideration. In *Ganjám* one or two alterations in the transit rules were proposed before the close of the year and the proposal of the Collector to extend the Forest Act into the Minnagudi and Adigudi muttas was approved of by Government. The Collector of *Vizagapatam* submitted revised rules for the management of the Vizianagram estate forests but the Board considered them unnecessary. The rules for *Cuddapah* worked well. In *Nellore*, the contractors employed by Local Funds, Municipalities and the departments of Government have, under orders of Government, been prohibited from quarrying free in unreserved lands. The rules worked well in *North Arcot*. Immediate attention was paid to the grievances (particulars not specified) of the ryots brought to the notice of the Famine Commissioner during his tour in Chandragiri taluk and due notice was taken of the resolutions passed by the *North Arcot* district associations and grievances complained of were remedied. The question of introducing transit rules in *North Arcot* is under consideration. Hosdrug, a town of some importance and the head-quarters of the Nileshwar Deputy Tahsildar, was included in the list of scheduled areas of the *South Canara* district. Rules for the management of Nilambúr leased forests in *South Malabar* were sanctioned and a notice under rule 5 of the above rules was published prohibiting the shooting of certain animals. As in the previous year, transit rules worked without any undue hardship in *South Coimbatore*. The reports from *Salem* and *North Coimbatore* furnish no information on the working of the transit rules sanctioned for those districts.

55. *Working of the rules under sections 26 of the Forest Act.*—The privileges allowed by these rules were generally availed of by the public, and no complaints or abuses were brought to notice except in *Gódávari*, *Anantapur*, *South Arcot*, *Salem*, *Madura* and *Tinnevelly*. In *Gódávari*, there was some abuse by Telegas of the privileges allowed to the Koyas and Reddis in Bhadráchalam for want of definition of a "Telega." In *Anantapur*, the privileges were availed of rather too liberally and several

cases of abuse were brought to notice. Steps are being taken to fix responsibility on village officers. In *South Arcot*, ryots in one taluk did not understand the privileges, while those in another abused the privileges and steps are being taken to remedy the defects. In *Salem*, there were several cases of damaging reserved trees and collection of produce for sale. Several cases of removal of fuel for sale were detected in *Madura* though the people are reported to be well acquainted with the concessions granted. A circular similar to the one published in *Tinnevelly* has been issued prohibiting such removals. The rules are said to be not working well in *Tinnevelly*. In *Bellary*, the question of allowing removal of babul pods from trees on unreserved lands free was under consideration. The western portion of Baindur reserve in *South Canara* district was thrown open to the public for collection of dry firewood, grass and manure leaves, free of charge. A supplemental list of seigniorage rates and a list of reserved trees which the villagers are prohibited from felling on unreserved lands in *Ganjám* were sanctioned and published. The list of such reserved trees for Vizianagram State forests was also sanctioned, as also the revised seigniorage rates for the minor produce in the Golgonda Agency. In *Tinnevelly*, *Mangifera indica*, *Tamarindus indica* and *Bassia latifolia* were added to the list of reserved trees prohibited from being felled on unreserved lands and cocoanuts were included in the list of classified trees for the district. With a view to introduce safeguards against defalcations of permit collections by issuing officers, the Conservator of Forests, Northern Circle, submitted certain proposals which are under reference to other Conservators and Collectors. The question of extending to other districts the permit system of *Madura*, where permits are sold like stamps, is under consideration.

56. *Coffee cultivation in reserved forests.*—In *Salem*, a piece of land measuring 83 cents contiguous to that already leased out to a coffee-planter was granted during the year. The total area leased out has come to 3,503·83 acres with an assessment of Rs. 3,504–11–10. Out of Rs. 3,503–14–7 due, Rs. 3,153–12–7 were realized during the year and steps have been taken for the recovery of the balance. In *South Coimbatore*, the rents and cesses, due up to 31st March 1901 for the twenty blocks of 18,494 acres, granted for coffee cultivation on the Anaimalais, have been collected in full. The lessees of twelve estates have already executed their agreements, while eight have deferred doing so pending orders of Government on their memorial to modify certain conditions. Orders have since been received and communicated to them. Twelve estates have been surveyed by a surveyor of the India Survey Party and the survey of the remaining eight will be completed between March and June 1902.

57. *Tours of Forest Member.*—The Hon'ble Mr. A. W. B. Higgens was Forest Member of the Board excepting for a period of about three months when Mr. C. J. Weir held the Forest portfolio. The former spent 72 days on tour and visited parts of the forests of *North Coimbatore*, *Nellore*, *South Coimbatore*, *the Nilgiris*, *Salem*, *Chingleput*, *South Arcot and North Arcot.*

58. *Conservators' Inspections.*—The names of the Conservators who held charge of the three circles during the year, the number of days spent by them in camp and the names of the districts inspected by them are shown in the following statement.—

Circle.	Names.	Days in charge.	Days in camp.	Districts visited.	District Forest offices inspected.
Northern	Mr. E. D. M. Hooper	283	158	All..	All except Gódávari.
	„ C. E. Brasier	82	35	Vizagapatam, Kurnool and Bellary.	
Central	„ A. W. Peet	321	171	All except Salem.	Cuddapah, Nellore and South Arcot.
	„ E. D. M. Hooper	44	10	Chingleput, North Arcot, Tanjore, Trichinopoly and Salem.	Chingleput, Tanjore and Trichinopoly.
Southern	„ H. A. Gass	365	* 292	All except Madura.	All except Madura.

* Includes time spent on inspection while holding charge of South Coimbatore division.

59. *Touring of the District Forest officers.*—All the District Forest officers except those of *Vizagapatam*, *Cuddapah*, *South Arcot*, *Trichinopoly* cum *Tanjore*, *the Nilgiris*, and *South Coimbatore* spent more than half the year in camp. In *Vizagapatam*, the District Forest officer was absent on one month's privilege leave and the charge was then held by the Conservator of Forests, Northern Circle. Mr. Muttannah, District Forest officer, *Bellary*, was able to spend only 156 days in camp out of 278 days in charge on account of ill-health. The short touring in *Cuddapah* was due to the ill-health of Mr. Scot and the domestic troubles of Mr. Gaudoin at the time he was in charge of the district, while that in *South Arcot* was due to no touring done by Mr. Peake during the three months prior to his departure on leave. The short touring in *Trichinopoly* cum *Tanjore* has not been explained, and that in *South Coimbatore* was due to the charge having been held by the Conservator of Forests, Southern Circle, and the District Forest officer, *North Coimbatore*, for more than half the year and to the inclusion of the time spent in the district on inspection under the statements relating to their permanent charges. In the *Nilgiris*, the illness of the District Forest officer was the cause of short touring. The number of days spent in camp by the District Forest officer of *North Arcot* is nominal as he lived at Vellore treating Chittoor as his head-quarters.

60. *Inspection of Range offices by the District Forest officers.*—The Range offices in all the districts except *Vizagapatam*, *Gódávari*, *Kistna*, *Kurnool*, *Bellary*, *Nellore*, *South Arcot*, *Salem*, *South Canara*, *North Malabar*, *South Coimbatore* and *Tinnevelly* were inspected twice during the year. In the districts excepted, some range offices were inspected only once and others twice. In *Bellary*, all the offices were inspected once only on account of the ill-health of Mr. Muttannah, and in *South Coimbatore* Bolampatti Range office was not inspected at all.

61. *Audit of the accounts of the District Forest offices.*—The accounts of all the District Forest offices except *Ganjám*, *Chingleput* and *North Arcot* were audited as usual by the Local Fund inspecting staff of the Accountant-General's office and the results are reported to be satisfactory. The accounts of *North Arcot* have since been audited. During the year under report, the audit of timber accounts of District Forest offices was transferred from the Accountant-General's office to the Conservators' offices and the accounts from October 1900 have been audited by the help of the special clerks sanctioned for those offices.

62. *Forest school.*—One stipendiary student from the Central Circle, three Deputy Rangers from the Northern and four from the Southern were sent to the Forest school. One Deputy Ranger returned to the Northern Circle with the Ranger's certificate. One stipendiary student sent in 1899 returned from school on account of ill-health but was sent back after being declared fit by the Medical officer.

63. *Conference of the District Forest and Divisional officers during jamabandi.*—The instructions of the Board on this subject were attended to in all the districts except *Kistna*, *Bellary*, *Cuddapah*, *Tanjore*, *Malabar*, *South Coimbatore* and *Tinnevelly*. In *Trichinopoly*, range officers attended the different jamabandis. In *Kistna*, a meeting with the jamabandi officers was not possible as the District Forest-officer was otherwise engaged at the time. No conferences were held in *Bellary* and *South Coimbatore* owing to changes of officers. In *Cuddapah* the Sub-Divisional officer attended the jamabandi of Sidhout taluk. On account of the very limited extent of forest area in *Tanjore* district, there was no necessity for conference. It has been decided that conferences with jamabandi officers are not required in *Malabar*, and it is reported that none of the officers of *Tinnevelly* required the attendance of the District Forest-officer. There were no complaints of any importance except in *Ganjám*, *Gódávari*, *Cuddapah*, *Nellore*, *North Arcot*, *South Canara* and *Salem*. In *Ganjám*, the complaints received were based on a misconception of the rules by the Forest subordinates and the public who were under the impression that no produce whatever could be removed free from unreserved lands. They were however informed that all but twenty species could be so removed. Extracts from the Forest Act and rules under section 26 have been translated in Uriya and will be supplied to all forest guards and will also be sold to the public. In *Gódávari*, issue of way permits is being arranged for the convenience of the owners of minor produce near the agency markets in taking their produce for

sale. In *Cuddapah*, *Nellore* and *North Arcot* the chief request was to allow goat-browsing in reserved forests and this will be attended to as far as possible. In *South Canara*, in accordance with the wishes of the ryots a forester was posted at Kasaragod for issue of permits and other works. The requests of the ryots in *Salem* were enquired into and granted wherever possible.

NORTHERN CIRCLE.

64. *Conduct and work of the Establishment.*—In *Ganjám*, one forester was dismissed for leaving the district without permission and for falsifying his diary, the services of two others were dispensed with for unsatisfactory work and another resigned. In *Gódávari*, one ranger was transferred for bad work and two deputy rangers were reported to the Conservator for incompetency, &c. In *Kistna*, the deputy ranger prosecuted criminally and referred to in the previous year's report absconded. The same with a temporary supervisor prosecuted for embezzlement in 1896–97. In *Kurnool*, the conduct of the establishment was most unsatisfactory. The services of one deputy ranger and four probationary foresters were dispensed with for bad work and gross neglect of duty. One forester was removed and three were suspended. In *Bellary*, two foresters resigned and the promotion of another was withheld for bad work.

CENTRAL CIRCLE.

In *Cuddapah*, one forester was suspended and being subsequently reinstated was transferred to another district. One forester in *Nellore* was suspended and a ranger in *Chingleput* was reduced and transferred to another district for neglect of duty and disobedience of orders. In *North Arcot*, two rangers and a forester were suspended in connection with extensive illicit fellings of red sanders. In *South Arcot*, one deputy ranger was suspended for disobedience of orders. In *Salem*, the deputy ranger referred to in the previous year's report was dismissed and another deputy ranger who was found unfit to hold range charge and about to be suspended has since died and a third was found unfit for holding range charge. One forester was dismissed for neglect of work, corruption, etc., The services of a probationary deputy ranger were dispensed with for unsatisfactory work and another deputy ranger resigned. A forester was prosecuted for misappropriation and the case is pending against him. One ranger and a deputy ranger were temporarily reduced for neglect of work. In *Trichinopoly*, one ranger was dismissed for gross neglect of duty and a dismissed forester was reinstated under the orders of the Board on appeal.

SOUTHERN CIRCLE.

In *South Canara*, one ranger was reduced to deputy ranger and suspended for gross irregularities in his work, one forester was removed for overstaying leave and the services of another probationary forester were dispensed with. In *South Malabar*, one deputy ranger was dismissed for failure to rejoin duty after leave and for desertion and another was suspended for misconduct. In *North Coimbatore*, one forester was convicted of extortion though the conviction was quashed by the District Court on appeal. A further charge against him is under enquiry. Another was suspended for disobedience of orders. In *South Coimbatore*, one ranger was suspended for neglect of duty in allowing extensive illicit fellings and another was transferred as he was suspected of taking no steps to detect the same case. In *Madura*, one ranger was suspended for misconduct and a forester was dismissed. One ranger was transferred to another district for bad work. In *Tinnevelly*, two foresters were under suspension at the close of the year and have since been removed from the service.

The conduct of the protective staff in all three circles has as usual been very unsatisfactory. Several forest guards and watchers were suspended, fined or dismissed for gross neglect of duty and misconduct, etc., and some were convicted criminally and sentenced to various terms of imprisonment. In *Bellary*, one forest guard was murdered in the discharge of his duties and the murderer was sentenced to transportation for life and two subordinates who connived were removed. In *Cuddapah*, a forest guard was murdered but the accused were discharged, and in *Salem*, one forest guard was found shot, but the murder has not been brought home to anybody yet. In *Vizagapatam*, one permit gumastah was committed to the Sessions

for embezzlement and in *Gódávari* the Forest Revenue gumastah of Kunavaram was ordered to be prosecuted under section 167, Indian Penal Code, and a permit gumastah was dismissed and his security confiscated.

65. *Health of the Establishment.*—In the Northern Circle, *Ganjám*, *Vizagapatam* and *Gódávari* are as usual reported to be unhealthy. In *Kurnool*, the health of the establishment was not satisfactory. In the Central Circle, *Cuddapah* range and the Coast Sub-division in *Nellore* were very unhealthy. In *Trichinopoly*, one range peon died of fever. In the Southern Circle, *North* and *South Malabar* and *South Coimbatore* were unhealthy and there were large number of deaths from fever in these districts. *The Nilgiris*, *North Coimbatore*, *Madura* and *Tinnevelly* were fairly healthy.

66. *Service Books.*—These are reported to have been maintained and verified in all the districts except *Salem* where some of the books are reported to be considerably in arrears.

67. *Inventory of valuable stock.*—Stock registers are reported to have been maintained and verified in all the districts. A proper system of writing off depreciation was introduced in *Tinnevelly* and elsewhere in the Southern Circle.

68. *Elephants.*—The elephant in *Vizagapatam* is being trained to drag timber. Of the two elephants in *Gódávari*, one was sent to *Kurnool* and the other is in good condition. The old elephant in *Kurnool* as well as the elephant transferred from *Gódávari* are reported to be very useful. Of the two elephants in *South Canara* referred to in the previous year's report one is sickly and both require complete rest for a time. Two elephants were obtained from *North Malabar*, of which one died. In *North Malabar* ten elephants were sold and four transferred to South Canara and South Coimbatore. One tusker and a tusker calf born in November 1900 died. In *South Malabar* two elephants were sold and four died. In *South Coimbatore* two elephants were received back from the Public Works department and two died. The number of elephants at the close of the year was 53 against 70 of the previous year. Owing to the frequent casualties among the captures, notably *South Coimbatore*, the Superintendent of the Veterinary Department was deputed during the year to inspect and report upon those in the Southern Circle and to suggest measures to keep them in better health and condition. His report has since been submitted and is under consideration. Elephant-capturing operations were not carried out during the year, partly for want of a sufficient number of trained animals, and partly because the time of subordinates was otherwise taken up. Attempts to purchase suitable animals in Mysore and in Malabar or to hire them have failed hitherto.

69. *The Saw-mill at Mount Stuart.*—The mill was worked successfully during the year, the season having been a favourable one. A large quantity of teak was converted in the mill for the sleeper supply. The details of work done during the year, with financial results and remarks on future prospects, are given in the Notes on Utilization, Appendix I.

70. *The Wire Rope-way at Mount Stuart.*—This means of transport was successfully employed during the working season, mainly for carriage of converted sleepers. Full details of work done are given in the Notes on Utilization, Appendix I.

71. *Rain-gauges.*—Readings are reported to have been properly recorded in all districts, except *Ganjám* in the Northern Circle, *Nellore*, *Chingleput* and *Trichinopoly* in the Central Circle, and *South Canara* and *the Nilgiris* in the Southern Circle. In *Gódávari* the recording stations were changed. In *North Arcot*, readings of four gauges were not recorded for a part of the year, the measuring glass having been broken. In *South Canara* out of three gauges, two were repaired only in May and only one was serviceable. One gauge in *South Malabar* was destroyed by wild elephants. In some districts readings now extend over so many years that there is no advantage in continuing to record them, and such gauges can be made available for transfer to other districts and no more expenditure on this account need be incurred.

72. *Iron Industry in the Salem district.*—An experiment on a small scale was made of manufacturing iron in native furnaces from the Theerthamalai iron ore to find out whether it will be possible to compete with imported English iron by reviving the old iron industry. The results were not encouraging, but the question can only be decided if the smelting of ore be taken up on a large scale with improved blast furnaces.

73. *Mica.*—In *Nellore*, of the 48 mines referred to in the previous year's report, the leases for six were either relinquished or cancelled and 21 fresh leases were taken up. There were 63 sanctioned mines at the close of the year, the majority of them in Rapur taluk. Eight mines in shrotriem lands and three mines in zamindari lands are reported to have been working. Seven out of ten sanctioned mines in patta lands are also reported to have been worked successfully. Of the 63 sanctioned mines in Government lands, only 33 were actually working. Fifteen fatal accidents are reported to have occurred during the year. The total quantity of mica, inclusive of flimsy and chitkas consigned from the district, was 1,079,516 lb. against 937,860 lb. in the previous year, and the royalty deposited amounted to Rs. 40,139 against Rs. 49,168 in the previous year. The decrease in royalty is due to the fact that while in the previous year the larger sizes bearing high values were most in demand, in the year under report the flimsy mica and chitkas ruled the market.

In *Gódávari*, prospecting licenses have been issued in several places over an extent of about 15 square miles including that granted to Messrs. Best & Co. to explore for graphite. Rs. 1,080 were collected during the year as surface rent, royalty and exploring license fees.

74. *Reorganization of office establishment.*—During the year under report, the reorganization of the Conservators' and District Forest office establishments was finally sanctioned by the Secretary of State and given effect to from 1st April 1901.

75. *Central Forest Museum.*—The Board has approved a proposal of the Conservator of Forests, Southern Circle, to establish a Central Forest Museum for his circle at Coimbatore in an upstair room of his office with adjoining verandahs which will be well adapted to it. It is intended to make the collection as comprehensive as possible. A catalogue will be maintained and against all articles of commercial value notes will be entered showing where they can best be obtained, in what quantity and manner, and at what cost.

76. *Work and services of superior officers—Northern Circle.*—Mr. C. E. Brasier, the present Conservator, writes: "The present Conservator, having been only in charge of the circle for less than three months of the year, is unable to report in detail on the work of the several officers. All District Forest-officers appear, however, to have worked hard and well throughout the year. The Collectors of Gódávari and Kurnool bring to notice the work of their District Forest-officers (Messrs. Wood and Battie) as deserving of praise, and seeing that these two districts are by far the heaviest in the circle, the Conservator fully concurs in the opinions of the Collectors referred to. Mr. Cowley Brown, the Working-plans Officer, also worked well and submitted a long and interesting report on the Goomsur sál forests, which will prove of much value in framing the final working-plans for those forests".

Central Circle.—Mr. H. J. A. Porter, Acting Conservator, has submitted a note left by the late Conservator, Mr. A. W. Peet, on the individual work of superior officers—

"Mr. Brasier has worked unceasingly both in camp and in office in developing the operations in the district. Experience seems to show that the railway cannot be counted upon as a permanent customer and therefore rather full advantage was taken of the present demand. Mr. Brasier also made working-plans for a large number of reserves by much extra personal labour.

"Mr. Foulkes paid great attention to working-plans in the Nellore district and tried in various ways to introduce method into the working both in the office and in the district.

"Mr. Stanbrough showed a good deal of judgment in various ways and paid attention to working-plans. What seemed a fault, however, was the attempt to satisfy local clamour at the expense of his judgment in a few instances.

"Mr. Thornton is extremely enthusiastic about his work, but has a tendency to go outside it by endeavouring to work out plans of perfection, such, for instance, as burdening himself with the charge of private properties. The ideas are excellent in themselves, but must entail large extra establishment if ever carried out, and

meanwhile it seems preferable to concentrate all energies on things as they are. Is very active in the district.

"Mr. Peake is very active in inspection; in fact, it is questionable whether he does not overwork himself in the field. In the office is inclined to be possibly over conscientious, the result being a want of sufficient speed in settling matters. It would be better for the work generally to come to a decision after a due amount of consideration rather than wait for a complete elaboration.

"Mr. Scot is active in the field and a good worker generally. Has devoted a good deal of thought towards grappling with difficulties as he finds them.

"Mr. Murray came late during the year to the circle; seems to be getting a grip on the working of the district.

"Mr. O'Leary gave occasion for complaint of slackness of work during part of the year.

"Mr. Woutersz showed much energy and practical sense when acting in charge of Nellore district.

"Mr. Maduranayagam Pillai is a reliable and trustworthy officer.

"Mr. Lodge only lately taken charge. Is a thoroughly competent officer."

Southern Circle.—Mr. H. A. Gass, the Conservator, says: "Mr. H. J. A Porter was in charge of *Madura* for nine months. He prepared a working scheme for the Cumbum valley range in addition to his ordinary district work.

"Mr. A. W. Lushington worked hard and well especially in the tracing of Ekkatur ghat road for which he also prepared plans and estimates.

"Mr. P. M. Lushington has taken up the work of his new division *Tinnevelly* with zeal and energy.

"Messrs. Hadfield, Lodge, McIntosh, Jackson, Latham, Tireman and Arbuthnot did good work in connection with the supply of sleepers to the Madras Railway.

"Mr. V. S. Gurunatha Pillai, Extra Assistant Conservator, is a competent officer who gives satisfaction to his Divisional officers.

"Mr. G. F. Foulkes, Special Working-plan officer, spent much time in camp. He has the necessary grasp of the work he has to do, but has caused inconvenience by his overwhelmingly diffuse writing.

The Collector of Coimbatore also comments on the work of Mr. A. W. Lushington as follows "has not spared himself in the discharge of his duties. He has especially interested himself in the development of his district. The work he personally undertook in drawing up the plans and estimates for the Ekkatur ghat road deserves special mention."

In regard to subordinates Mr. Gass also states:—

"Ranger O'Neill has given satisfaction to his Divisional officer in a large charge.

"Ranger VanHaeften can be named as an officer who has worked faithfully and well.

"Ranger Myers has done good work on the Anamalais creditably and well under trying circumstances.

"Ranger Raman Menon may also be specially named for good work in *South Malabar* in connection with the sleeper supply operations."

Mr. J. W. Cherry, Conservator of Forests, retired from the service with effect from the 27th July 1900.

Mr. A. W. Peet, Conservator of Forests, was granted extension of time over 55 years for 10 months and 7 days in two periods and retired from the service on the 1st July 1901.

The services of M.R.Ry. M. Muttannah, Rao Bahadur, Extra Deputy Conservator' were lent to the Mysore State in April 1901.

Mr. T. N. Hearsey, Extra Assistant Conservator of Forests, second grade, was transferred to Coorg in April 1901, and in his place Mr. F. A. Seager, Extra Assistant Conservator of the same grade, was transferred to this Presidency from Coorg.

77. *Strength of the Staff.*—The size of some of the divisional charges is very large, *e.g.*, *Kistna* (1,128 square miles), *Kurnool* (2,881 square miles), *Cuddapah* (2,451 square miles), *North Arcot* (1,234 square miles), *Salem* (1,453 square miles), *North Coimbatore* (1,639 square miles). The average area of forest under the control of the Department for the 23 districts is about 850 square miles covered by a district area of over 6,000 square miles and the following figures show the state of affairs in regard to ranges and beats:—

	Extent of forest in square miles.	Scattered over square miles.
Ranges	181	1,308
Beats	20	144

In order to increase revenue, develop resources and maintain and improve forests properly, some of the largest charges must, it appears, be split up, and instead of 23 as at present there may be in time at least 30. The staff at its full strength is quite insufficient for even the present distribution and it has been much reduced. The Conservator of Forests, Southern Circle, has called attention to the fact that while the Department has during the past four or five years lost the services of 12 superior officers by retirement and deputation on other duty, it has been increased by 2 only. It will be increased by return to divisional charge of the three Working-plans officers, but will lose the services during the next few years of probably four officers by retirement. The services of three officers of the Provincial service have been lent to Native States. Of the three new assistants who arrived in December 1900, the services of one, a promising junior, were within a short time transferred to Burma. During the year under report, district charges have, in nine instances, been held by Extra Assistants for periods, ranging from two days to over nine months, in four others by Rangers for varying periods of time and one in the Southern Circle is at present held temporarily by a Ranger. An Assistant Collector was in charge of a division for 30 days. On two occasions the Conservator of the Circle had, in addition to his circle charge, to assume charge of a division for one month and $3\frac{1}{2}$ months, respectively. On two occasions in the Southern Circle it has been necessary to place one officer in charge of two divisions. Much inconvenience is caused in every way by this paucity of officers, and when any special work, such as the sleeper supply contract, is undertaken, it is impossible to carry it out without dislocating the ordinary routine work of the districts concerned. It must necessarily take time to bring the new scheme sanctioned in the Government of India Circular No. 17–56 F., dated 4th November 1896, into force, and, until this is done, there is no alternative to placing divisions in charge of junior officers of the lower grades of the Provincial service, though it cannot be admitted that they are at all fitted for such responsibilities.

APPENDIX I.

Utilization of Forest Produce.

Supply of sleepers to the Madras Railway.—The most important work of the year was the undertaking to supply the Madras Railway for its extension from Calicut to Tellicherry, with 40,000 ordinary $9' \times 9'' \times 5''$ sleepers of *Terminalia tomentosa* at Rs. 3-8-0 each, *Xylia dolabriformis* at Rs. 3-12-0 each, *Hopea parviflora* at Rs. 4-14-0 each, in percentages of supply of 70, 20 and 10, and 1,812 teakwood of different sizes ranging between $10' \times 10'' \times 5''$ and $16' \times 12'' \times 6''$ at Rs. 3 per cubic foot, the ordinary sleepers being subjected to a five years' guarantee and replacements to be supplied at Rs. 2, Rs. 2-2-0 and Rs. 2-8-0 for the three species named.

The principal features of the undertaking are given in the subjoined abstract:—

Details.	Sleepers.	
	Teak.	Miscellaneous timbers.
Total number—		
Contracted for	1,812	40,000
Number supplied—		
South Canara	...	5,008
North Malabar	680	4,288
South Malabar	159	29,080
The Nilgiris	...	6,115
South Coimbatore	1,429	2,561
	2,268	47,052
Number accepted	1,753	39,334
Add South Canara sleepers that will be accepted ..	...	1,418
Sleepers lost by a contractor, value of which has been recovered	...	88
	1,753	40,840
Rejected by Railway	462	5,595
Add South Canara sleepers that will be rejected ...	...	175
Departmental rejections	53	442
Total number of logs converted	1,093	9,796
Total number of cubic feet converted	31,513	341,344
Percentage of loss by conversion	62·68	61·23

Total expenditure incurred	Rs. 1,41,450
Revenue realized by sale of sleepers	„ 1,84,519
Add revenue realized and to be realized by sale of wastage and rejected sleepers	„ 32,753
	„ 2,17,272
Difference	„ 75,822

2. The value of the timber is not taken into consideration in calculating this difference; as it is difficult to say what such value of timber standing in a forest far removed from a market is. In the Wynaad forests of North Malabar the average annual sales of timber have been 26,000 cubic feet, inclusive of 20,000 cubic feet of teak, during the past five years, and after deducting felling and depot costs, the profit to Government has been As. 8–8 per cubic foot.

I doubt whether, under any circumstances, teak in forest depots—good, bad and indifferent —would realize more than As. 12 a cubic foot, or, on the quantity converted into sleepers, about Rs. 23,000.

As regards the other timbers, it is hard to say what the value *in situ* is. The demand for *Terminalia tomentosa* in log is, at all times, limited, and in some forests, as in those of the *Nilgiris* and *North Malabar*, this tree possesses no local value. The demand for *Xylia* in log is also limited, and it is only obtainable in *South Malabar* and *South Canara*, in any quantity. Its forest depôt value is small.

Hopea parviflora is a more valuable timber, but found in such inaccessible places, that it would be hard to realize much per cubic foot for it and in fact the department had to pay a contractor Rs. 2–8–0 a sleeper delivered at the railway station nearest to the forest, giving him the right to work up the balance and remove only what he selected, at the rate of Rs. 2–8–0 a candy of 12½ cubic feet or Rs. 10 a ton.

Taking the timber, exclusive of teak, all round, and looking to the fact, that it would not be possible under ordinary circumstances, to sell so large a quantity *in situ*, the net result of As. 2½ per cubic foot may be accepted as a fair return. The quality of the timber is very poor, the *Xylia* logs being exceptionally bad, and in no instance does a sound log ever come under the saw. All are cracked and heart-shaken, the primary cause being forest fires.

The average cost of conversion up to the sawing stage, was As. 6–8 per sleeper, that of sawing Rs. 1–1–4 and carriage Rs. 1–6–4.

A prejudice was formed against the *Terminalia* and so high a standard was applied to the sleepers of this species at first, that rejections were wholesale, and the percentages of supply of *Xylia* and *Hopea* had accordingly to be raised.

The supply was almost completed during the year, leaving only 666 ordinary and 59 teak-wood sleepers to be delivered, and this deficiency would have been made up, had not a cyclonic storm in April, caused the temporary loss of a large number of sleepers by a native boat-load having been carried out of its course and unable to return. The extent of the operations is not to be gauged by the comparatively limited number supplied, but by the difficulties presented by the extremely bad quality of the timber, and by an exceptionally unfavourable season, which brought with it heavy rains, temporary loss of timber in unprecedented floods, cholera and famine prices in all divisions and consequent difficulty in securing sawing and other labour, and finally by the difficult transport over great distances and bad roads, which made the carriage item the highest of all..

The experiment made, is not encouraging for a further undertaking, and as the Railway Company has definitely refused to accept *Terminalia tomentosa*, and this is the predominant species in the forest, and as the supplies of *Xylia* and *Hopea* are limited, the whole scheme of supply falls through for the present, as it is held that there is no sufficient reason to supply the more valuable timbers as sleepers, excepting at full market rates, which the Company is not prepared to pay.

3. *Sleepers for other lines.*—It has not been possible to enter into any arrangement for the supply of sleepers to the South Indian or Southern Mahratta Railways.

I had an interview and some correspondence with the Engineer-in-Chief for the West Coast extensions from Mysore and made a definite offer to supply a large number of small sized sleepers (5′×7″×4½″) at favourable rates and the offer has not been disposed of.

4. *Development of a trade in soft woods.*—The question of exploiting the extensive and fine evergreen forests of the Anamalai hills bordering on those of Cochin and Travancore States for soft woods for conversion into wood pulp which was suggested by Mr. Ribbentrop, lately Inspector-General of Forests, was investigated by means of valuation surveys and an inspection of the river system was made by Mr. Lodge to test the possibility of utilizing the rivers as a means of getting the wood to the coast by flinging it into the rivers to find its own way down.

Conclusions were on the whole favourable to the scheme, the supply of soft woods, notably of *Cullenia excelsa*, being sufficiently large to support a large enterprise and the difficulties presented by the waterways, while very great, were not held to be insurmountable.

A detailed report with plans was sent to Mr. Ribbentrop at his request, at the end of October 1900, but nothing further has been heard of the matter.

5. *Posts for carriage of overhead wire in the Cauvery Works Project.*—Hearing from the Inspector-General of Forests that posts for the carriage of the wire to be used for the transmission of power in the Cauvery Works Scheme were being obtained from Australia at a high cost,

I placed myself in communication with the officer in charge of the works with a view to supplying him with teakwood saplings obtained from the Nilambur teak plantations. It was unfortunately not possible to take up the work as the posts required were of much larger dimensions than those in stock, and were wanted urgently at a time when it was quite impossible to obtain a fresh supply, which is only possible during the floating season.

6. *Paving blocks.*—The hope that was entertained some two years ago of utilizing the abundant supply of *Pœciloneuron Indicum* timber in the ever-green forests of *South Canara*—a fine close grained wood, apparently well suited to paving blocks—has so far, not been fulfilled and it still remains a question for further enquiry and accomplishment, with improved means of communication.

7. *Timber for Cordite Factory.*—A very large supply of timber is required for the numerous buildings now in course of construction for the Cordite Factory at Arvenghaut on the Nilgiris. I had several interviews and some correspondence with the officer in charge and eventually made offers based on as low estimates as possible, but the outside competition, notably that of the Cochin State, has made it impossible so far to undertake any portion of the supply.

8. *The Saw Mill at Mount Stuart.*—The defective quality of the teak and other timbers of the leased deciduous forests of the Anamalais in *South Coimbatore*, due mainly to the effects of fire, and consequent difficulty in disposing of logs at reasonable rates, led to the suggestion to utilize the water power there, and open a saw mill, which was done two years ago, in order to be able to place better timber in saleable sizes on the market. The season was on the whole a favourable one for work and 279 logs of 12,122 cubic feet were converted—an average outturn only, under the circumstances.

The mill is worked by a Pelton motor and the supply of water is dependant on the rainfall and the season's work in consequence extends only over six months.

An attempt which was made to work both day and night for a time, was abandoned as a failure.

It has been estimated that, after paying the working costs of the season and interest at 4 per cent. and depreciation at 6 per cent. for two years, a net profit may still be expected of about Rs. 3,000.

The work of the mill showed the necessity for the addition of a good-sized circular saw and the necessary arrangements were made for the purchase of the machine during the year. The mill was also extended and measures were taken to increase the supply of water by raising the retaining dam and reducing the loss by leakage in the channel leading to the pipe head.

It was only possible to commence the setting up of the new machine in June 1901 and to start work with it during the current season, which also promises to be a fairly favourable one. The outturn of sawn wood may probably be about the same as that of last year or rather less, due to unavoidable delays in starting work, and to defects in the new machine, which, to save loss of time, can only be rectified for next season. The profits to be expected will, however, it is hoped, not fall far short of those of last year, and looking forward to next season with a very ordinary rainfall, it may be safely predicted, that the supply of sawn timber will largely increase and the profits proportionately.

It has not been easy to find a ready sale for boards and scantlings in the local Coimbatore market, and it is now intended to keep up a supply to the neighbouring markets of Trichinopoly, Salem, and the Nilgiris.

9. *The Wire Ropeway.*—This means of transporting sawn timber down the outer slope of the Anamalais to the plains was used quite successfully for several months last season and about 500 loads of 11,000 cubic feet were sent down. The net profit, as compared with costs of road transport are small and have only been estimated, after deducting all costs, at about Rs. 450, but the success of the scheme is not to be gauged only by such actual savings, but by the advantage it confers, of being able to send down wood at any time in all weathers, when carts cannot be obtained, the difficulty connected with road transport being linked with that presented by the steep gradient and bad road up the face of the slope, which makes contractors unwilling to come forward, though they are prepared at all seasons, to use their carts in the plains.

The ropeway has been improved by the substitution of a better type of roller for the running check rope and it is being worked successfully during the current season. Its outturn of work may be about the same as that of last season, because it is dependant on the outturn of work in the saw-mill to which it is a most useful and necessary adjunct. While its capacity is equal to the transport of small logs ranging between 20 and 25 cubic feet, it is difficult to attach such solid weights to the carriage and the ropeway is therefore best employed in the transport of smaller sawn wood, which is easily placed in any quantity in the slings of the carriers.

This means of transport is still in its earlier stages of development, and it requires sundry improvements to make it quite perfect, and for this and last season it cannot be looked to for a large return in the way of profit. It is now doing all that is required of it, and in less than one week can carry wood equal to the present outturn of the mill for a month, but as the latter increases, as it will surely do, so the advantages of the ropeway will increase.

10. *Sandalwood.*—More careful inspection of the forests of *North Coimbatore* has shown that the stock of sandalwood which can, and in fact, ought to be extracted, is far greater than it was supposed to be, and under the able management of Mr. A. W. Lushington and a contemplated improvement in the lines of communication, it can be confidently expected that the revenue from this important source will largely increase.

11. *Minor Produce.*—The same remarks apply to minor produce. The revenue has fluctuated considerably according to the season, but the figures of last year show an increase of over a lakh over those of 1891–92. Information as to the resources of the department in regard to the supply of minor produce is still very incomplete and it can only increase by patient investigation and there can be little doubt that the trade in all items will largely develop.

12. *Fuel supply.*—The supply of fuel from coupes, worked both departmentally and by contractors to the general public, has largely increased and will continue to increase and restrict removals under the permit system. In addition the department is now largely charged throughout the Presidency, with the direct supply of engine fuel to the Railways which now reaches many thousands of tons annually.

(Signed) H. A. GASS,
Conservator of Forests, Southern Circle.

14th November 1901.

APPENDICES.

ANNUAL FORM NO. 44.

Forest Department, Madras Presidency.

AREA of reserved forests and reserved lands during 1900-1901.

Districts.	Area of reserved forests.						Area of reserved lands.						Total area of reserved forests and reserved lands.
	Area on 1st July 1900.		Added during the year.	Excluded during the year.	Area on 30th June 1901.		Area on 1st July 1900.		Added during the year.	Excluded during the year.	Area on 30th June 1901.		
	Acres.	Equivalent in square miles.	Acres.	Acres.	Acres.	Equivalent in square miles.	Acres.	Equivalent in square miles.	Acres.	Acres.	Acres.	Equivalent in square miles.	
Northern Circle.													SQ. MLS.
Ganjám	312,322	488	8,607	..	320,929	501	32,777	51	1,546	9,737	24,586	39	540
Vizagapatam	141,262	221	2,368	5	143,565	224	85,329	133	..	8,310	77,019	120	344
Gódávari	604,199	944	4,171	..	608,370	951	4,175	7	875	4,175	875	1	952
Kistna	513,977	803	22,942	17	536,902	839	207,723	325	5,343	66,689	146,377	229	1,068
Kurnool	1,328,402	2,075	100,688	256	1,428,834	2,232	515,456	806	2,849	173,726	344,579	539	2,771
Bellary	334,843	523	14,116	115	348,844	545	59,132	92	12,920	16,776	55,276	86	631
Anantapur	324,255	507	350	..	324,605	508	2,011	3	..	350	1,661	2	510
Total	3,559,200	5,561	153,242	393	3,712,949	5,800	906,603	1,417	23,533	279,763	650,373	1,016	6,916
Central Circle.													
Cuddapah	1,298,037	2,028	64,877	..	1,362,914	2,129	270,624	423	691	74,027	197,288	308	2,437
Nellore	426,685	667	19,938	79	446,544	698	56,545	88	9,122	21,879	43,788	68	766
Chingleput	134,517	210	1,788	..	136,305	213	2,476	4	..	1,945	531	1	214
North Arcot	756,979	1,183	12,765	4,278	765,466	1,196	32,875	51	1,094	9,809	24,160	38	1,234
South Arcot	438,458	685	4,914	..	443,369	693	15,510	24	..	7,651	7,859	12	705
Salem	* 803,878	1,256	46,115	3,494	846,499	1,323	125,108	196	86,433	46,511	165,030	258	1,581
Trichinopoly	153,484	240	15,581	..	169,065	264	50,019	78	289	16,778	33,530	52	316
Tanjore	11,519	18	..	..	11,519	18	..	..	..	..	..	..	18
Total	4,023,557	6,287	165,975	7,851	4,181,681	6,534	553,157	864	97,629	178,600	472,186	737	7,271
Southern Circle.													
South Canara	318,189	497	95,923	57	414,055	647	381,569	596	309	98,563	283,315	443	1,090
Malabar, North	101,841	159	26,718	..	128,559	201	72,256	113	2,470	45,330	29,396	46	247
Do. South	121,416	190	21,440	..	142,856	223	88,750	138	..	58,240	30,510	48	271
The Nilgiris	249,327	389	4,746	..	254,073	397	63,934	100	7,148	6 210	64,872	101	498
Coimbatore, North	707,378	1,106	1,850	269	708,959	1,108	344,446	533	7,360	1,842	346,934	542	1,650
Do. South	420,271	657	..	..	420,271	657	303	1	67	..	370	1	658
Madura	382,241	597	492	..	382,733	598	8,965	14	..	492	8,473	13	611
Tinnevelly	267,616	418	3,790	..	271,406	424	6,633	11	336	3,790	3,179	5	429
Total	2,568,279	4,013	154,959	326	2,722,912	4,255	963,826	1,506	17,690	214,467	767,049	1,199	5,454
Grand Total	10,151,036	15,861	474,176	8,570	10,616,642	16,589	2,423,586	3,787	138,852	672,830	1,889,608	2,952	19,541

* The figures as now given are correct.

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ANNUAL FORM No. 44.

District.	Range.	Name of forest.	Area on 1st July 1900. Acres.	Area on 1st July 1900. Equivalent in square miles.	Added during the year. Acres.	Excluded. Acres.	Area on 30th June 1901. Acres.	Area on 30th June 1901. Equivalent in square miles.	Number and date of Notification of addition or exclusion.
		Reserved forests.							
Ganjam.	Mojjaguda.	Dimrijholi	5,486	..	..	..	5,486	..	No. 414, dated 16th December 1887.
		Rambha	13,469	..	..	..	13,469	..	No. 550, dated 4th November 1893.
		Kaliyamba ..	8,896	..	..	..	8,896	..	No. 39, dated 11th January 1897.
		Baiballi	28,201	..	..	..	28,201	..	No. 193, dated 27th April 1898.
		Gullery	27,614	..	..	..	27,614	..	No. 36, dated 24th January 1899.
		Darpangiya ..	24,312	..	..	..	24,312	..	No. 422, dated 14th September 1898.
		Tiliki	11,216	..	..	..	11,216	..	No. 338, dated 24th July 1899.
		Kaliyamba Extension.	1,543	..	..	..	1,543	..	No. 117, dated 15th March 1900.
		Jagannadhaprasad.	14,470	..	..	..	14,470	..	No. 319, dated 17th July 1890.
		Chendragiri ..	18,320	..	..	..	18,320	..	No. 306, dated 1st July 1891.
		Kullada	2,760	..	..	..	2,760	..	No. 379, dated 17th July 1893.
		Chodiyapalli ..	907	..	..	..	907	..	No. 330, dated 2nd July 1896.
	Kukuluba.	Brahmanasayi ..	7,841	..	..	..	7,841	..	No. 192, dated 23rd April 1898.
		Ambazora	33,274	..	..	..	33,274	..	No. 226, dated 19th May 1899.
		Gundribadi and Extensions.	7,542	..	..	..	7,542	..	No. 269, dated 13th June 1899.
		Gogodo	10,327	..	..	..	10,327	..	No. 191, dated 22nd April 1899.
		Paichalia	7,675	..	..	..	7,675	..	No. 409, dated 31st August 1893.
		Bondagocha ..	3,825	..	..	..	3,825	..	No. 253, dated 13th September 1888.
		Malatti	1,720	..	..	..	1,720	..	No. 254, dated 13th September 1888.
		Dabuki	1,450	..	..	..	1,450	..	No. 445, dated 3rd October 1890.
		Vinjagiri	6,000	..	..	..	6,000	..	No. 31, dated 28th January 1891.
		Dheppaguda ..	1,254	..	..	..	1,254	..	No. 406, dated 27th August 1897.
		Hukuma	4,182	..	..	..	4,182	..	No. 539, dated 12th November 1897.
	Suradá ..	Mundapetta ..	5,784	..	..	..	5,784	..	No. 83, dated 10th February 1898.
		Pippalaponka ..	8,014	..	..	..	8,014	..	No. 150, dated 24th March 1898.
		Dowgam	2,279	..	..	..	2,279	..	No. 424, dated 9th August 1898.
		Raipada	7,035	..	..	..	7,035	..	No. 350, dated 25th July 1898.
		Rogodo	15,029	..	..	..	15,029	..	No. 342, dated 24th July 1899.
		Dhumi Dhumi East and West.	..	..	2,677	..	2,677	..	No. 447, dated 10th October 1900.
		Panchabhuti ..	4,320	..	..	..	4,320	..	No. 53, dated 12th February 1891.
		Vishnuchakram ..	4,836	..	..	..	4,836	..	No. 68, dated 16th February 1891.
	Buguda ..	Bodochendana ..	925	..	..	..	925	..	No. 583, dated 3rd December 1896.
		Sandusalia	2,050	..	..	..	2,050	..	No. 461, dated 10th September 1896.
		Kuddapada ..	1,593	..	..	..	1,593	..	No. 419, dated 3rd September 1897.
		Kurcholi	6,073	..	..	..	6,073	..	No. 538, dated 8th November 1897.

District.	Range.	Name of forest.	Area on 1st July 1900. Acres.	Area on 1st July 1900. Equivalent in square miles.	Added during the year. Acres.	Excluded. Acres.	Area on 30th June 1901. Acres.	Area on 30th June 1901. Equivalent in square miles.	Number and date of Notification of addition or exclusion.
		Reserved forests—cont.							
Ganjám—*cont.*	Berhampur.	Agastinowgam ..	700	..	..	..	700	..	No. 438, dated 5th September 1896.
		Napier's Park ..	27	..	..	..	27	..	No. 291, dated 29th June 1897.
		South Mohiri-Palur block.	629	..	..	..	629	..	No. 256, dated 6th June 1899.
		South Mohiri Rampalli.	2,789	..	..	..	2,789	..	No. 119, dated 15th March 1900.
		Ramagoda	7,955	..	..	..	7,955	..	No. 414, dated 19th September 1899.
	Berhampur—*cont.*	Baniyamari ..	..	..	4,030	..	4,030	..	No. 174, dated 18th March 1901.
		Chatrapur	..	..	630	..	630	..	No. 326, dated 11th July 1900.
		Rankubanumantapuram.	..	..	1,270	..	1,270	..	No. 76, dated 13th February 1901.
		Total ..	312,322	488	8,607	..	320,929	501	
		Reserved lands not transferred to reserved forests during the year.							
	Kukuba ..	Chendragiri ..	..	..	81	..	81	..	No. 325, dated 13th July 1900.
	Mojjaguda	Darpangiya Extensions I and II.	..	..	1,185	..	1,185	..	No. 539, dated 13th December 1900.
		Podoro	760	..	..	(*b*) 760	..	..	No. 481, dated 2nd November 1900.
		Area notified in previous years.	23,410	..	(*a*) 280	(*c*) 370	23,320	..	
		Total ..	24,170	..	1,546	1,130	24,586	39	
		Grand Total ..	336,492	..	10,153	1,130	345,515	540	
		Reserved forests.							
Vizagapatam.	Palkonda.	Antikonda ..	6,829	..	..	..	6,829	..	No. 54, dated 3rd February 1896.
		Chinnamangalapuram.	51	..	..	..	51	..	No. 563, dated 22nd November 1894.
		Garugubilli. ..	27	..	..	..	27	..	No. 498, dated 10th October 1894.
		Chinnagora ..	2,047	..	..	..	2,047	..	No. 294, dated 12th June 1894.
		Ichapuram ..	900	..	..	..	900	..	No. 119, dated 9th March 1895.
		Barnakonda Extension 1.	86	..	..	..	86	..	No. 22, dated 4th January 1898.
		Kodagandi Extension 2.	91	..	..	..	91	..	
		Chinnagora Extension 1.	22	..	..	..	22	..	No. 583, dated 16th December 1898.
		Chinnagora Extension 2.	13	..	..	..	13	..	
		Chinnagora Extension 3.	13	..	..	..	13	..	
		Chinnagora Extension 4.	184	..	..	..	184	..	
		Chinnagora Extension 5.	104	..	..	..	104	..	
		Antikonda Extensions 1 and 2.	140	..	..	..	140	..	No. 243, dated 20th May 1898.
		Kodagandi Extension 1.	237	..	..	..	237	..	No. 305, dated 23rd June 1898.
		Kodagandi Extension 3.	816	..	..	..	816	..	No. 142, dated 23rd March 1900.
	Sarvasidhi.	Peddapalle	9,077	..	..	..	9,077	..	No. 226, dated 2nd August 1888.
		Vemagiri	1,641	..	..	..	1,641	..	No. 283, dated 18th May 1895.
		Gokivada	1,305	..	..	..	1,305	..	No. 53, dated 26th March 1895.
		Panchadharla ..	1,221	..	..	..	1,221	..	No. 128, dated 11th March 1895.
		Kalavalapalle ..	1,242	..	..	..	1,242	..	
		Rambilli	485	..	..	..	485	..	No. 85, dated 20th February 1895.

(*a*) Rectification of area. (*b*) Initial notification cancelled. (*c*) Excluded at settlement.

District.	Range.	Name of forest.	Area on 1st July 1901. Area.	Area on 1st July 1901. Equivalent in square miles.	Added during the year. Added.	Excluded. Area.	Area on 30th June 1901. Area.	Area on 30th June 1901. Equivalent in square miles.	Number and date of Notification of addition or exclusion.
		Reserved forests—cont.							
Vizagapatam—*cont.*	Golgonda.	Arlova	2,473	..	..	..	2,473	..	No. 496, dated 14th October 1892.
		Pedimikonda	3,227	..	..	..	3,227	..	No. 425, dated 18th August 1893.
		Kakarlakonda	1,924	..	..	..	1,924	..	No. 496, dated 14th October 1892.
		Venkatapuram	508	..	..	..	508	..	
		Kodavatipudi	1,544	..	..	..	1,544	..	
		Sinivaram	31,364	..	..	..	31,364	..	No. 353, dated 14th July 1896.
		Chintapalli	11,400	..	..	..	11,400	..	No. 126, dated 7th March 1895.
		Karakakonda	6,278	..	..	..	6,278	..	No. 48, dated 9th December 1895.
		Madalammakonda.	3,600	..	..	..	3,600	..	No. 328, dated 12th June 1895.
		Pedimikonda Extension 2.	18	..	..	..	18	..	No. 252, dated 20th May 1898.
		Arlova Extension 2.	70	..	..	..	70	..	
		Do. do. 4.	64	..	..	..	64	..	No. 246, dated 20th May 1898.
		Do. do. 5.	51	..	..	..	51	..	
		Sinivaram Extension.	124	..	..	..	124	..	No. 253, dated 18th May 1898.
		Boddapalem	380	..	..	..	380	..	No. 20, dated 4th January 1898.
		Karakakonda Extensions 2 A and B.	2,043	..	..	..	2,043	..	No. 50, dated 26th January 1899.
		Pedimikonda Extension 1.	66	..	..	..	66	..	No. 557, dated 3rd December 1898.
		Dharakonda	46,880	..	..	..	46,880	..	No. 320, dated 11th July 1899.
		Karakakonda Extension 1.	1,148	..	..	..	1,148	..	No. 456, dated 7th October 1899.
		Arlova Extension 1 A and B.	1,509	..	..	(*a*) 5	1,504	..	No. 483, dated 1st November 1899.
		Sitakhandi	..	..	2,368	..	2,368	..	No. 342, dated 18th July 1900.
		Total	141,202	221	2,368	5	143,565	224	
		Reserved lands not transferred to reserved forests during the year.							
	Palkonda	Palkonda	4,580	..	..	..	4,580	..	No. 238, dated 17th May 1901.
	Golgonda	Saruguda I & II	17,339	..	..	..	17,339	..	No. 201, dated 4th April 1901.
		Area notified in previous years.	61,042	..	..	(*a*) 2,202 (*d*) 3,740	55,100	..	
		Total	82,961	..	..	5,942	77,619	120	
		Grand Total	224,163	..	2,368	5,947	220,584	344	
		Reserved forests							
Godávari.	Bhadrachalam.	Komanapalli	3,250	..	..	..	3,250	..	No. 159, dated 9th April 1890.
		Mulkanapalli	3,658	..	..	..	3,658	..	No. 288, dated 30th June 1890.
		Dumagudem	6,110	..	..	..	6,110	..	
		Arlagudem	6,136	..	..	..	6,136	..	
		Tunikicheruvu	8,022	..	..	..	8,022	..	
		Bhadrachalam	10,860	..	..	..	10,860	..	
		Gogubaka	1,666	..	..	..	1,666	..	
	Marrigudem.	Bandreo	10,900	..	..	..	10,900	..	
		Golaguppa	8,000	..	..	..	8,000	..	
		Narakonda	7,500	..	..	..	7,500	..	
		Pengha	4,400	..	..	..	4,400	..	
		Upanapalli	3,300	..	..	..	3,300	..	No. 159, dated 9th April 1890.
		Tatlanka	12,000	..	..	..	12,000	..	
		Ramachendram	10,300	..	..	..	10,300	..	
		Repak	7,000	..	..	..	7,000	..	
		Sitarampuram	3,000	..	..	..	3,000	..	
		Bhandaragudem	7,100	..	..	..	7,100	..	
		Burkankota	1,500	..	..	..	1,500	..	
		Pulsumamidi	4,520	..	..	..	4,520	..	No. 7, dated 23rd December 1889.
		Marrigura	44,500	..	..	..	44,500	..	No. 20, dated 20th December 1889.
	Rekapalli.	Mattapalli	9,500	..	..	..	9,500	..	No. 44, dated 21st January 1890.
		Nelakota	2,500	..	..	..	2,500	..	No. 145, dated 27th March 1890.
		Lakkavaram	6,500	..	..	..	6,500	..	No. 446, dated 3rd October 1890.

(*a*) Rectification of area. (*d*) Unreserved by the Collector.

District.	Range.	Name of forest.	Area on 1st July 1900. Acres.	Area on 1st July 1900. Equivalent in square miles.	Added during the year. Acres.	Excluded. Acres.	Area on 30th June 1901. Acres.	Area on 30th June 1901. Equivalent in square miles.	Number and date of Notification of addition or exclusion.
			Reserved forests—cont.						
Godávari—*cont.*	Rékápalli—*cont.*	Kalleru	5,500	..	..	..	5,500	..	No. 52, dated 12th February 1891.
		Kanslur	6,200	..	..	..	6,200	..	No. 124, dated 21st March 1891.
		Walsugri	6,530	..	..	..	6,530	..	No. 55, dated 4th February 1896.
		Rekapalli Hills ..	93,532	..	..	..	93,532	..	No. 208, dated 27th April 1896
	Rajahmundry.	Mallavaram ..	7,600	..	..	..	7,600	..	No. 160, dated 26th March 1895.
		Molleru	8,250	..	..	..	8,250	..	No. 476, dated 15th January 1892.
		Sudikonda	6,880	..	..	..	6,880	..	No. 53, dated 27th January 1892.
		Devancheruvu block No. 1.	1,287	..	..	..	1,287	..	No. 63, dated 11th February 1896.
		Devancheruvu block No. 2.	764	..	..	..	764	..	
		Lakkonda	13,104	..	..	..	13,104	..	No. 205, dated 25th April 1896.
		Kovida	1,280	..	..	..	1,280	..	No. 151, dated 7th April 1891.
		Murari	700	..	..	..	700	..	No. 254, dated 16th June 1890.
		Tirumalaiyapalem.	5,150	..	..	..	5,150	..	No. 584, dated 9th December 1896.
	Peddápuram.	Vuligogula ..	12,000	..	..	..	12,000	..	No. 215, dated 27th April 1891.
		Sarlanka	15,000	..	..	..	15,000	..	No. 241, dated 2nd April 1891.
		Raghavapatnam ..	3,600	..	..	..	3,600	..	No. 240, dated 2nd April 1891.
		Anantavaram ..	4,000	..	..	..	4,000	..	No. 242, dated 2nd April 1891.
		Totapalli	2,150	..	..	..	2,150	..	No. 208, dated 27th April 1891.
		Banadapalli ..	5,800	..	..	..	5,800	..	No. 244, dated 27th April 1893.
		Laddoddi	7,200	..	..	..	7,200	..	
		Vetangi	8,840	..	..	..	8,840	..	
		Aminbada ..	4,480	..	..	..	4,480	..	
		Anantagiri ..	3,050	..	..	..	3,050	..	
		Labbarti ..	6,500	..	..	..	6,500	..	
		Ramasaram ..	800	..	..	..	800	..	No. 278, dated 25th May 1895.
		Doramamidi ..	6,400	..	..	..	6,400	..	No. 213, dated 24th April 1896.
		Virabhadrapuram.	10,300	..	..	..	10,300	..	No. 215, dated 24th April 1896.
		Jaddangi ..	5,775	..	..	..	5,775	..	No. 204, dated 25th April 1896.
		Annavaram ..	8,500	..	..	..	8,500	..	No. 210, dated 24th April 1896.
		Peddagurangi ..	4,000	..	..	..	4,000	..	No. 214, dated 24th April 1896.
		Lingamparti ..	6,500	..	..	..	6,500	..	No. 211, dated 24th April 1896.
		Lingampalli ..	3,142	..	..	..	3,142	..	No. 455, dated 7th October 1899.
		Rajavammangi ..	7,961	..	..	..	7,961	..	No. 38, dated 24th January 1900.
		Doramamidi Extension.	36	..	..	..	36	..	No. 407, dated 11th September 1899.
		Ultima Thule ..	..	..	2,600	..	2,600	..	No. 386, dated 30th August 1900.
	Yernagudem.	Barrinkalapadu ..	1,650	..	..	..	1,650	..	No. 536, dated 7th November 1894.
		Taduvoi ..	1,500	..	..	..	1,500	..	
		Beddadavole ..	15,000	..	..	..	15,000	..	No. 17, dated 17th December 1897.
		Marlagudem ..	2,100	..	..	..	2,100	..	No. 304, dated 28th June 1898.
		Papikonda ..	11,785	..	..	..	11,785	..	No. 170, dated 11th April 1899.
		Jilugumilli ..	3,318	..	..	..	3,318	..	No. 398, dated 5th September 1899.
		Darbhagudem ..	2,660	..	..	..	2,660	..	No. 567, dated 15th November 1899.
		Kopalli	14,924	..	..	..	14,924	..	No. 315, dated 4th July 1899.
		Kovada	17,799	..	..	..	17,799	..	No. 161, dated 2nd April 1899.

District.	Range.	Name of forest.	Area on 1st July 1900. Acres.	Area on 1st July 1900. Equivalent in square miles.	Added during the year. Acres.	Excluded. Acres.	Area on 30th June 1901. Acres.	Area on 30th June 1901. Equivalent in square miles.	Number and date of Notification of addition or exclusion.
			Reserved forests—cont.						
Gódávari—*cont.*	Ellore ..	Unguttur block I..	2,200	..	..	..	2,200	..	No. 467, dated 20th September 1894.
		Do. do. II..	1,600	..	..	..	1,600	..	
		Nallacherla ..	8,400	..	..	..	8,400	..	No. 1, dated 7th January 1896.
		Chintalapudi ..	2,000	..	..	..	2,000	..	No. 192, dated 5th May 1890.
		Tadikalapudi ..	2,500	..	..	..	2,500	..	No. 260, dated 16th June 1890.
		Bandemcherla ..	5,200	..	..	..	5,200	..	No. 266, dated 16th June 1890.
		Erraguntapalli ..	8,640	..	..	..	8,640	..	No. 333, dated 21st July 1890.
		Velagalapalli Nos. I and II.	2,200	..	..	..	2,200	..	No. 343, dated 21st July 1890.
		Barrikonda ..	3,500	..	..	..	3,500	..	No 295, dated 30th June 1890.
		Ramasingavaram ..	2,500	..	..	..	2,500	..	No. 167, dated 13th April 1891.
		Barrikonda Extension.	..	..	510	..	510	..	No. 321, dated 7th July 1900.
		Ramasingavaram Extension.	..	..	1,061	..	1,061	..	No . 524, dated 1st December 1900.
	Delta ..	Narsapur.. ..	59	..	..	..	59	..	No. 357, dated 25th October 1887.
		Coringa	7,000	..	..	..	7,000	..	No. 122, dated 27th April 1888.
		Bendamurlanka ..	362	..	..	..	362	..	No. 31, dated 21st January 1890.
		Upputeru blocks I and II.	14,199	..	..	..	14,199	..	No. 454, dated 16th November 1896.
		Kandikuppa ..	8,070	..	..	..	8,070	..	No. 155, dated 28th March 1898.
		Total ..	604,199	944	4,171	..	608,370	951	
		Reserved lands not transferred to reserved forests during the year.							
	Gódávari.	Dharbagudem Extension.	..	..	875	..	875	..	No. 149, dated 28th February 1901.
		Area notified in previous years.	4	..	..	(*c*) 4	..	..	
		Total ..	4	..	875	4	875	1	
		Grand Total ..	604,203	..	5,046	4	609,245	952	
		Reserved forests.							
Kistna..	Bandar ..	Vanúdhuru ..	67	..	..	..	67	..	No. 311, dated 6th November 1888.
		Vemavarampad ..	16	..	..	..	16	..	No. 313, dated 6th November 1888.
		Bomminampad ..	26	..	..	..	26	..	No. 312, dated 6th November 1888.
		Allinagaram ..	56	..	..	..	56	..	No. 314, dated 6th November 1888.
		Kanukollu ..	597	..	..	..	597	..	No. 361, dated 7th August 1890.
		Gopuvanipalem ..	174	..	(*a*) 13	..	187	..	No. 549, dated 9th December 1891.
		Kodur	107	..	..	..	107	..	No. 233, dated 4th June 1890.
		Gollapalem ..	390	..	..	..	390	..	No. 258, dated 16th June 1890.
		Weld	65	..	..	..	65	..	No. 430, dated 21st September 1891.
		Bandar Fort ..	7,500	..	..	..	7,500	..	No. 197, dated 13th May 1890.
		Palakayatippa ..	3,208	..	..	..	3,208	..	No. 491, dated 20th October 1891.
		Sorlagondi ..	2,634	..	..	..	2,634	..	No. 287, dated 30th June 1890.
		Nachugunta ..	8,696	..	..	..	8,696	..	No. 370, dated 9th August 1890.
		Yelichetladibba ..	4,615	..	..	..	4,615	..	No. 303, dated 8th July 1890.
		Bandar Fort Extension 1.	570	..	..	..	570	..	No. 285, dated 28th June 1897.
		Bandar Fort Extension 2.	1,144	..	..	..	1,144	..	No. 535, dated 8th November 1897.
		Gopuvanipalem Extension II.	80	..	(*a*) 8	..	88	..	No. 186, dated 25th April 1898.
		Mallesvaram ..	823	..	..	..	823	..	No. 91, dated 2nd March 1900.

(*a*) Rectification of area. (*c*) Excluded at settlement.

District.	Range.	Name of forest.	Area on 1st July 1900.		Added during the year.	Excluded.	Area on 30th June 1901.		Number and date of Notification of addition or exclusion.
			Acres.	Equivalent in square miles.	Acres.	Acres.	Acres.	Equivalent in square miles.	
			Reserved forests—cont.						
Kistna—*cont.*	Bapatla ..	Lankavanidibba ..	2,850	..	..	..	2,850	..	No. 17, dated 17th January 1888.
		Kothapalem I ..	3,840	..	..	..	3,840	..	
		Do. II ..	1,907	..	..	..	1,907	..	No. 382, dated 9th August 1890.
		Dindi	114	..	..	..	114	..	No. 78, dated 21st March 1889.
		Adavuladivi ..	536	..	..	..	536	..	No. 345, dated 26th November 1889.
		Orr	123	..	..	..	123	..	No. 548, dated 12th November 1894.
		Bapatla I and II ..	1,325	..	..	..	1,325	..	No. 373, dated 5th December 1889, No. 79, dated 12th February 1890.
		Karlapalem I and II.	297	..	..	..	297	..	No. 374, dated 5th December 1889. No. 48, dated 21st January 1890.
		Vedullapalli ..	166	..	..	..	166	..	No. 45, dated 21st January 1890.
		Vedullapalli Extension I.	10	..	..	..	10	..	No. 387, dated 1st September 1891.
		Muthaiyapalem ..	9,569	..	..	..	9,569	..	No. 121, dated 12th March 1890.
		Pandillapalli ..	158	..	..	..	158	..	No. 365, dated 7th August 1890.
		Wadarevu ..	57	..	..	..	57	..	No. 379, dated 9th August 1890.
		Nayanapalli I ..	152	..	..	..	152	..	No. 190, dated 16th April 1891.
		Adavuladivi Extension.	101	..	..	..	101	..	No. 61, dated 2nd February 1897.
		Amudalapalli ..	1,369	..	..	..	1,369	..	No. 401, dated 20th August 1897.
		Potumerakaparra ..	5,230	..	..	..	5,230	..	No. 482, dated 12th October 1897.
		Adavuladiviparra.	1,675	..	..	..	1,675	..	No. 544, dated 13th November 1897.
		Bapatla III ..	607	..	..	..	607	..	No. 282, dated 7th June 1898.
		Nizampatnam Extension No. 1.	1,500	..	..	..	1,500	..	No. 410, dated 1st September 1898.
		Perallavallapalem.	889	..	..	..	889	..	No. 569, dated 12th December 1898.
		Muthaiyapalem Extension 1.	720	..	..	..	720	..	No. 16, dated 5th January 1899.
		Pullaripalem ..	699	..	..	..	699	..	No. 518, dated 14th November 1898.
		Nizampatnam ..	5,993	..	..	..	5,993	..	No. 526, dated 26th November 1899.
		Nayanapalli Extension 1.	919	..	..	..	919	..	No. 510, dated 15th November 1899.
		Vedullapalli Extension 2.	603	..	..	..	603	..	No. 574, dated 18th December 1899.
		Kothapalem Extension 1.	..	..	2,154	..	2,154	..	No. 114, dated 27th February 1901.
	Bezwada.	Bezwada	429	..	..	..	429	..	No. 124, dated 10th May 1889.
		Gunadala	377	..	..	..	377	..	No. 378, dated 2nd December 1889.
		Kondapalli ..	20,722	..	..	..	20,722	..	No. 308, dated 24th June 1892.
		Kondapalli Extension 1.	1,225	..	..	..	1,225	..	No. 52, dated 21st January 1890.
		Kothur	7,230	..	..	..	7,230	..	No. 222, dated 2nd May 1891.
		Kendur	4,140	..	..	..	4,140	..	No. 31, dated 15th January 1892.
		Velavadan ..	770	..	..	..	770	..	No. 424, dated 18th August 1894.
		Jangalapalli ..	1,013	..	..	..	1,013	..	
		Dasullapalem ..	1,260	..	..	..	1,260	..	No. 339, dated 3rd July 1894.
		Gannavaram ..	1,960	..	..	..	1,960	..	No. 252, dated 28th May 1896.
		Budavada	4,940	..	..	..	4,940	..	No. 323, dated 16th July 1890.
		Jaggaiyapeta ..	4,570	..	..	..	4,570	..	No. 435, dated 22nd September 1890.
		Gudimetla	1,157	..	..	..	1,157	..	No. 432, dated 17th September 1898.
		Kottur Extension 1.	700	..	..	..	700	..	No. 232, dated 5th May 1900.

District.	Range.	Name of forest.	Area on 1st July 1900. Acres.	Area on 1st July 1900. Equivalent in square miles.	Added during the year. Acres.	Excluded. Acres.	Area on 30th June 1901. Acres.	Area on 30th June 1901. Equivalent in square miles.	Number and date of Notification of addition or exclusion.
		Reserved forests—cont.							
Kistna—*cont.*	Bezwada —*cont.*	Budavada Extension 1.	570	..	..	..	570	..	No. 435, dated 29th September 1899.
		Budavada Extension 2.	580	..	..	..	580	..	
		Budavada Extension 3.	335	..	..	..	335	..	No. 355, dated 4th August 1899.
		Gandrayi	730	..	..	..	730	..	No. 341, dated 24th July 1899.
		Jaggaiyapeta Extensions 5 and 6.	..	..	680	..	680	..	No. 467, dated 16th October 1900.
		Balusupad ..	..	..	1,982	..	1,982	..	No. 54, dated 21st January 1901.
		Jaggaiyapeta Extension 7.	..	..	300	..	300	..	No. 86, dated 16th February 1901.
	Guntur ..	Nidamarru ..	381	..	..	..	381	..	No. 372, dated 5th December 1889. No. 43, dated 21st January 1890.
		Karlapadi	903	..	..	..	903	..	No. 63, dated 28th January 1890.
		Narakodur ..	517	..	..	..	517	..	No. 85, dated 18th February 1890.
		Kuragallu	1,267	..	..	..	1,267	..	No. 292, dated 30th June 1890.
		Tadepalle	2,305	..	..	..	2,305	..	No. 384, dated 9th August 1890.
		Gollamudi ..	202	..	..	..	202	..	No. 14, dated 19th December 1891.
		Kolakalur	1,386	..	..	..	1,386	..	No. 282, dated 15th June 1892.
		Lam	1,085	..	..	(*e*) 17	1,068	..	No. 536, dated 18th October 1893.
		Nidumukkala ..	688	..	..	..	688	..	No. 190, dated 20th April 1894.
		Motadaka	318	..	..	..	318	..	No. 203, dated 23rd April 1894.
		Peddamaddur ..	305	..	..	..	305	..	No. 424, dated 18th August 1894.
		Kondavid	12,857	..	..	..	12,857	..	No. 396, dated 29th August 1890.
		Kondavid Extension 1.	539	..	..	..	539	..	No. 520, dated 23rd October 1894.
		Kondavid Extension 2.	258	..	..	..	258	..	No. 537, dated 5th November 1894.
		Kuragallu Extension 1.	16	..	..	..	16	..	No. 232, dated 19th May 1899.
	Sattenapalle.	Konanki	3,600	..	..	..	3,600	..	No. 221, dated 26th July 1888.
		Madinapad ..	9,600	..	..	..	9,600	..	No. 200, dated 13th May 1890.
		Tangeda	1,330	..	..	..	1,330	..	No. 543, dated 25th November 1892.
		Bellamkonda ..	1,241	..	..	..	1,241	..	No. 71, dated 4th February 1890.
		Venkatayapalem ..	40,566	..	..	..	40,566	..	No. 535, dated 20th November 1890.
		Do. Extension No. 1.	3,000	..	..	..	3,000	..	No. 428, dated 21st September 1891.
		Navalipuri ..	11,500	..	..	..	11,500	..	No. 196, dated 16th April 1891.
		Dachepalli ..	755	..	..	..	755	..	No. 280, dated 2nd June 1896.
		Kandipad	429	..	..	..	429	..	No. 483, dated 12th October 1897.
		Takkelapad ..	412	..	..	..	412	..	No. 557, dated 16th November 1897.
		Kamepalli ..	2,050	..	..	..	2,050	..	No. 134, dated 10th March 1898.
		Venkatayapalem Extension No. 3.	1,420	..	..	..	1,420	..	No. 298, dated 16th June 1898.
		Venkatayapalem Extension No. 6.	1,120	..	..	..	1,120	..	No. 238, dated 20th May 1898.
		Rekulagadda ..	3,230	..	..	..	3,230	..	No. 433, dated 17th September 1898.
		Vemavaram ..	1,700	..	..	..	1,700	..	No. 40, dated 23rd January 1900.
		Madinapad Extension No. 1.	670	..	..	..	670	..	No. 439, dated 29th September 1899.

(*e*) Disafforested.

District.	Range.	Name of forest.	Area on 1st July 1900. Acres.	Area on 1st July 1900. Equivalent in square miles.	Added during the year. Acres.	Excluded. Acres.	Area on 30th June 1901. Acres.	Area on 30th June 1901. Equivalent in square miles.	Number and date of Notification of addition or exclusion.
		Reserved forests—cont.							
Kistna—*cont.*	Sattenapalle—*cont.*	Madinapad Extension No. 2.	422	..	..	..	422	..	No. 397, dated 5th September 1899.
		Sitharampuram ..	925	..	..	..	925	..	No. 41, dated 23rd January 1900.
		Piduguralla ..	..	..	982	..	982	..	No. 25, dated 8th January 1900.
		Venkatayapalem Extension No.7.	..	..	687	..	687	..	No. 57, dated 17th January 1901.
		Konauki Extension No. 2.	..	..	920	..	920	..	No. 170, dated 14th March 1901.
		Tangeda Extension No. 1.	..	..	498	..	498	..	No. 193, dated 23rd April 1900.
		Tangeda Extension No. 2.	..	..	538	..	538	..	
	Vinukonda.	Bollapalli	38,551	..	..	..	38,551	..	No. 504, dated 18th November 1890.
		Do. Extension No. 4.	737	..	..	..	737	..	No. 37, dated 15th January 1895.
		Kakirala	13,120	..	..	..	13,120	..	No. 21, dated 20th January 1891.
		Guttikonda ..	37,760	..	..	..	37,760	..	No. 228, dated 8th May 1891.
		Koppukonda ..	4,727	..	..	..	4,727	..	No. 300, dated 24th June 1892.
		Gokanakonda ..	328	..	..	..	328	..	No. 571, dated 12th November 1894.
		Bollapalli Extension No. 6.	807	..	..	..	807	..	No. 417, dated 31st July 1895.
		Kakirala Extension No. 6.	1,800	..	..	..	1,800	..	No. 82, dated 11th February 1896.
		Ramudupalem ..	725	..	..	..	725	..	No. 11, dated 4th March 1896.
		Bollapalli Extension No. 5.	740	..	..	..	740	..	No. 140, dated 20th March 1896.
		Nayanipalem I ..	1,127	..	..	..	1,127	..	No. 273, dated 2nd June 1896.
		Do. II ..	180	..	..	..	180	..	No. 168, dated 30th March 1896.
		Kopparam II ..	659	..	..	..	659	..	No. 72, dated 7th February 1895.
		Yellamanda I ..	498	..	..	..	498	..	No. 570, dated 23rd November 1894.
		Gorrepad	1,015	..	..	..	1,015	..	No. 306, dated 31st May 1895.
		Kakirala Extension No. 1.	222	..	..	..	222	..	No. 303, dated 28th May 1895.
		Narasaiyapalem ..	1,511	..	..	..	1,511	..	No. 409, dated 11th August 1896.
		Pulsanutala ..	796	..	..	..	796	..	No. 580, dated 3rd December 1896.
		Guttikonda Extension 1.	948	..	..	..	948	..	No. 76, dated 11th February 1897.
		Guttikonda Extension 6.	1,009	..	..	..	1,009	..	No. 63, dated 2nd February 1897.
		Nagarazupalli ..	400	..	..	..	400	..	No .83, dated 2nd February 1897.
		Andugulapad ..	1,945	..	..	..	1,945	..	No. 178, dated 23rd April 1897.
		Bollapalli Extension 2.	5,189	..	..	..	5,189	..	No. 278, dated 2nd June 1897.
		Bollapalli Extension 3.	2,427	..	..	..	2,427	..	No. 418, dated 3rd September 1897.
		Guttikonda Extension 7.	2,110	..	..	..	2,110	..	No. 475, dated 7th October 1897.
		Narasaiyapalem Extension 1.	250	..	..	..	250	..	No. 506, dated 23rd October 1897.
		Narasaiyapalem Extension 2.	425	..	..	..	425	..	
		Janapad	3,215	..	..	..	3,215	..	No. 135, dated 10th March 1898.
		Bollapalli Extension 8.	1,500	..	..	..	1,500	..	No. 244, dated 23rd May 1898.
		Yellamanda II ..	1,045	..	..	..	1,045	..	No. 283, dated 26th May 1899.
		Guttikonda Extension 9.	890	..	..	..	890	..	No. 351, dated 25th July 1898.
		Bollapalli Extension 9.	720	..	..	..	720	..	No. 571, dated 6th December 1898.
		Bollapalli Extension 7.	2,565	..	..	..	2,565	..	No. 168, dated 6th April 1899.

District.	Range.	Name of forest.	Area on 1st July 1900. Acres.	Area on 1st July 1900. Equivalent in square miles.	Added during the year. Acres.	Excluded. Acres.	Area on 30th June 1901. Acres.	Area on 30th June 1901. Equivalent in square miles.	Number and date of Notification of addition or exclusion.
		Reserved forests—cont.							
Kistna—*cont.*	Vinukonda—*cont.*	Koppukonda Extension 1.	3,336	..	..	..	3,336	..	No. 190, dated 22nd April 1899.
		Mekapad	1,428	..	..	..	1,428	..	No. 225, dated 20th May 1899.
		Vinukonda ..	7,901	..	..	..	7,901	..	No 469, dated 23rd October 1899.
		Pamidipad	1,796	..	..	..	1,796	..	No. 255, dated 6th June 1899.
		Kakirala Extension 2.	1,499	..	..	..	1,499	..	No. 70, dated 9th February 1900.
		Guttikonda Extension 3.	788	..	..	..	788	..	No. 178, dated 20th April 1900.
		Uppumagalur ..	972	..	..	..	972	..	No. 43, dated 23rd January 1900.
		Bollapalli Extension 1.	..	..	2,507	..	2,507	..	No. 288, dated 12th June 1900.
		Kakirala Extension 7.	..	..	542	..	542	..	No. 304, dated 19th June 1900.
		Guttikonda Extension 4.	..	..	763	..	763	..	No. 401, dated 3rd September 1900.
		Kakirala Extension 5.	..	..	3,640	..	3,640	..	No. 451, dated 9th October 1900.
		Kakirala Extension 3.	..	..	1,270	..	1,270	..	No. 504, dated 17th November 1900.
		Guttikonda Extension 8.	..	..	800	..	800	..	No. 155, dated 14th March 1901.
	Palnad ..	Tummurukodu I ..	24	..	..	..	24	..	No. 158, dated 8th June 1888.
		Gangalakunta ..	17,659	..	..	..	17,659	..	No. 15, dated 20th December 1889.
		Pasuvemula ..	18,375	..	..	..	18,375	..	No. 93, dated 5th March 1892.
		Kandlagunta ..	33,729	..	..	..	33,729	..	No. 47, dated 22nd January 1892.
		Mutukur	31,360	..	..	..	31,360	..	No. 258, dated 1st June 1892.
		Kakirala II ..	4,400	..	..	..	4,400	..	No. 70, dated 9th February 1900.
		Tummurukodu III	3,730	..	..	..	3,730	..	No. 136, dated 14th March 1895.
		Mutukur Extension 2.	529	..	..	..	529	..	No. 536, dated 23rd September 1895.
		Mutukur Extension 4.	3,245	..	..	..	3,245	..	No. 287, dated 12th June 1896.
		Mutukur Extension 3.	2,730	..	..	..	2,730	..	No. 17, dated 12th December 1896.
		Pasuvemula Extension 1.	305	..	..	..	305	..	No. 487, dated 1st October 1896.
		Pasuvemula Extension 3.	250	..	..	..	250	..	
		Pasuvemula Extension No. 4.	2,949	..	..	..	2,949	..	No. 355, dated 26th July 1897.
		Veldurti	3,609	..	..	..	3,609	..	No. 427, dated 4th September 1897.
		Dárvemula ..	584	..	..	..	584	..	No. 220, dated 18th May 1897.
		Tummurukodu 4 ..	405	..	..	..	405	..	No. 425, dated 9th September 1898.
		Do. 5 ..	432	..	..	..	432	..	
		Gangalakunta additions 1, 2 and 3.	44	..	..	..	44	..	No. 573, dated 6th December 1898.
		Tummurukodu II..	2,720	..	..	..	2,720	..	No. 37, dated 19th January 1899.
		Pasuvemula Extension 5.	285	..	..	..	285	..	No. 437, dated 29th September 1899.
		Goli	5,015	..	..	..	5,015	..	No. 519, dated 27th November 1899.
		Madugula	2,055	..	..	..	2,055	..	No. 350, dated 31st July 1899.
		Gamalapad ..	..	..	1,443	..	1,443	..	No. 379, dated 24th August 1900.
		Mutukur Extension 5.	..	..	1,890	..	1,890	..	No. 26, dated 8th January 1901.
		Darvemula 1 ..	..	..	585	..	585	..	No. 176, dated 21st March 1901.
		Goli Extension No. 1.	..	..	740	..	740	..	No 199, dated 4th April 1901.
		Total ..	513,977	803	22,942	17	536,902	839	

District.	Range.	Name of forest.	Area on 1st July 1900. Acres.	Area on 1st July 1900. Equivalent in square miles.	Added during the year. Acres.	Excluded. Acres.	Area on 30th June 1901. Acres.	Area on 30th June 1901. Equivalent in square miles.	Number and date of Notification of addition or exclusion.
		Reserved lands not transferred to reserved forests during the year.							
Kistna—*cont.*	Bandar ..	Bandar Fort Extension 3.	2,020	..	(*a*) 320	..	2,340	..	No. 387, dated 30th August 1900.
		Yelachaladibba Extension.	3,049	..	..	(*d*) 2,579	470	..	No. 270, dated 30th May 1901.
		Nachugunta II ..	6,000	..	..	(*d*) 3,220	2,780	..	No. 271, dated 30th May 1901.
		Kodurparra ..	8,400	..	..	(*d*) 2,080	6,320	..	No. 69, dated 5th February 1901.
		Bandar Fort Extension 4.	16,701	..	..	(*d*) 3,741	12,960	..	No. 202, dated 26th April 1901.
	Bapatla ..	Kadavakaduru ..	990	..	(*a*) 360	..	1,350	..	No. 400, dated 3rd September 1900.
		Dindi Extension I.	350	..	..	..	350	..	No. 499, dated 6th November 1900.
		Motupalli	1,060	..	..	(*d*) 402	658	..	No. 220, dated 1st May 1901.
		Kottur Extension 3.	482	..	..	(*d*) 264	218	..	No. 30, dated 8th January 1901.
	Bezwada ..	Kondapalli Extention 4.	414	..	(*a*) 216	..	630	..	No. 96, dated 16th February 1901.
		Kottur Extension 4.	411	..	..	(*d*) 280	131	..	No. 216, dated 1st May 1901.
		Ramannapeta ..	945	..	..	(*d*) 425	520	..	No. 164, dated 21st March 1901.
		Jaggayyapeta Extension 4.	70	..	(*a*) 20	..	90	..	No. 164, dated 21st March 1901.
		Jaggayyapeta Extension 2.	565	..	..	(*d*) 195	370	..	No. 55, dated 17th January 1901.
		Venkatayapalem Extension 2.	1,400	..	(*a*) 507	..	1,907	..	No. 317, dated 22nd June 1901.
	Sattenapalle.	Venkatayapalem Extension 4.	2,800	..	..	(*d*) 1,437	1,363	..	No. 291, dated 5th June 1901.
		Venkatayapalem Extension 5.	3,400	..	(*a*) 757	..	4,157	..	No. 291, dated 5th June 1901.
		Venkatayapalem Extension 8.	1,900	..	(*a*) 250	..	2,150	..	No. 74, dated 5th February 1901.
		Venkatayapalem Extension 10.	700	..	(*a*) 903	..	1,603	..	No. 74, dated 5th February 1901.
		Kuntimaddi ..	800	..	..	(*d*) 30	770	..	No. 70, dated 5th February 1901.
		Tangeda Extension 3.	650	..	(*a*) 72	..	722	..	No. 275, dated 30th May 1901.
		Tangeda Extension 4.	..	..	78	..	78	..	No. 268, dated 30th May 1901.
		Vemavaram Extension 1.	1,258	..	..	(*d*) 958	300	..	No. 498, dated 3rd November 1900.
		Pillutla	3,200	..	..	(*d*) 340	2,860	..	No. 95, dated 16th February 1901.
		Govindapuram ..	..	..	1,860	..	1,860	..	No. 448, dated 9th October 1900.
		Manchikallu ..	(*b*) 645	..	..	(*b*) 645	..	..	No. 389, dated 30th August 1900.
		Kandipad Extension No. 1.	(*b*) 776	..	..	(*b*) 776	..	..	No. 528, dated 6th December 1900.
		Area notified in previous years.	125,816	..	..	(*c*) 8,425 (*d*) 17,971	99,420	..	
		Total ..	184,802	..	5,343	43,768	146,377	229	
		Grand Total ..	698,779	..	28,285	43,785	683,279	1,068	
		Reserved forests.							
Kurnool.	Sirvél ..	Sirvél	1,01,372	..	..	..	101,372	..	No. 69, dated 16th February 1891.
		Do. addition I ..	1,657	..	..	..	1,657	..	No. 604, dated 14th November 1895.
		Do. do. 2 (Ahobilam.)	16,078	..	..	..	16,078	..	No. 86, dated 19th February 1898.
		Do. do. 3 (Bachepalle.)	11,546	..	..	..	11,546	..	No. 341, dated 11th July 1898.
	Cumbum.	Veligonda, South ..	16,755	..	..	..	16,755	..	No. 434, dated 22nd September 1890
		Do. North ..	21,540	..	..	..	21,540	..	No. 506, dated 20th November 1890.
		Uyyalavada ..	43,287	..	..	(*e*) 25	43,262	..	No. 154, dated 7th April 1891.

(*a*) Rectification of area. (*b*) Initial notification cancelled. (*c*) Excluded at settlement.
(*d*) Unreserved by the Collector. (*e*) Disafforested.

District.	Range.	Name of forest.	Area on 1st July 1900. Acres.	Area on 1st July 1900. Equivalent in square miles.	Added during the year. Acres.	Excluded. Acres.	Area on 30th June 1901. Acres.	Area on 30th June 1901. Equivalent in square miles.	Number and date of Notification of addition or exclusion.
		Reserved forests—cont.							
Kurnool—*cont.*	Cumbum	Veligonda, West ..	17,780	..	..	..	17,780	..	No. 50, dated 22nd January 1892.
		Kandlapad ..	981	..	..	..	981	..	No. 582, dated 3rd December 1896.
		Ambavaram ..	10,280	..	..	..	10,280	..	No. 371, dated 2nd August 1897.
		Somidevipalli ..	11,507	..	..	..	11,507	..	No. 346, dated 20th July 1897.
		Uyyalavada addition.	19,504	..	..	..	19,504	..	No. 614, dated 15th December 1897.
		Maduva	855	..	..	..	855	..	No. 340, dated 11th July 1898.
		Eastern Nallamalai, block 2.	20,175	..	..	..	20,175	..	No. 16, dated 23rd December 1899.
		Eastern Nallamalai, block 1.	12,620	..	..	..	12,620	..	No. 42, dated 12th January 1900.
	Cumbum and Markapur.	Cumbum	208,135	..	..	(e) 54	208,081	..	No. 104, dated 7th March 1892.
	Nandikotkur.	Nandikotkur ..	316,331	..	..	..	316,331	..	No. 197, dated 16th April 1891.
		Duddiyala	4,026	..	..	..	4,026	..	No. 491, dated 26th October 1898.
		Guvvalagunta A. B. and C. blocks.	11,825	..	..	..	11,825	..	No. 438, dated 27th September 1899.
		Velugodu	..	..	34,343	..	34,343	..	No. 180, dated 16th April 1901.
	Nandyal and Nandikotkur.	Nandyal	183,705	..	..	(e) 167	1,83,538	..	No. 168, dated 13th April 1891.
	Nandyal.	Nandyal Terai block No. II of Ernipad.	..	..	12,562	..	12,562	..	No. 322, dated 10th July 1900.
		Nandyal Terai No. I of Gazulapalli.	..	..	6,640	..	6,640	..	No. 175, dated 9th April 1901.
		Eastern Nallamalai, block 3.	..	..	30,782	..	30,782	..	No. 487, dated 16th November 1900.
		Giddalur blocks 1 and 2.	..	..	14,731	..	14,731	..	No. 27, dated 15th January 1901.
	Ramallakot.	Ramallakot, East.	1,920	..	..	..	1,920	..	No. 289, dated 22nd June 1891.
		Do. West.	2,800	..	..	..	2,800	..	No. 293, dated 22nd June 1891.
		Lanjabanda ..	3,950	..	..	..	3,950	..	No. 457, dated 15th October 1891.
		Yaperlapad ..	3,384	..	..	..	3,384	..	No. 43, dated 15th January 1892.
		Gadidamadugu ..	2,715	..	(a) 1,630	..	4,345	..	No. 116, dated 21st March 1891.
		South Dhone ..	3,989	..	..	..	3,989	..	No. 52, dated 19th January 1892.
		Kamalápuram ..	1,880	..	..	..	1,880	..	No. 44, dated 13th January 1897.
		Pyalakurti ..	819	..	..	..	819	..	No. 358, dated 27th July 1897.
		North Dhone ..	14,346	..	..	..	14,346	..	No. 15, dated 17th December 1897.
		Veludurti ..	976	..	..	..	976	..	No. 446, dated 28th September 1898.
		Betamcherla ..	9,245	..	..	..	9,245	..	No. 520, dated 11th November 1898.
		Loddipalli ..	1,176	..	..	..	1,176	..	No. 339, dated 24th July 1899.
		Alamoor palmyra tope.	96	..	..	..	96	..	No. 415, dated 21st September 1899.
	Markapur	Markapur	181,875	..	..	..	181,875	..	No. 105, dated 5th March 1892.
		Baddivid	1,002	..	..	..	1,002	..	No. 151, dated 28th March 1895.
		Yerrakondapalem.	9,030	..	..	..	9,030	..	No. 16, dated 22nd December 1896.
		Ganapavaram ..	14,583	..	..	(e) 10	14,573	..	No. 77, dated 13th February 1897 and No. 171, dated 9th April 1901.
		Tokapalli	1,427	..	..	..	1,427	..	No. 354, dated 24th July 1897.
		Tamballapalli ..	1,559	..	..	..	1,559	..	No. 576, dated 29th November 1897.
		Millampalli ..	2,915	..	..	..	2,915	..	No. 27, dated 5th January 1898.

(a) Rectification of area. (e) Disafforested.

District.	Range.	Name of forest.	Area on 1st July 1900. Acres.	Area on 1st July 1900. Equivalent in square miles.	Added during the year. Acres.	Excluded. Acres.	Area on 30th June 1901. Acres.	Area on 30th June 1901. Equivalent in square miles.	Number and date of Notification of addition or exclusion.
		Reserved forests—cont.							
Kurnool—*cont.*	Pattikonda	Pyápali	1,226	..	..	..	1,226	..	No. 277, dated 9th June 1894.
		Tekulakonda ..	715	..	..	..	715	..	No. 240, dated 14th May 1895.
		Kappatralla ..	3,029	..	..	..	3,029	..	No. 605, dated 19th November 1895.
		Karumanchi No. I.	1,074	..	..	..	1,074	..	No. 117, dated 10th March 1896.
		Do. No. II.	416	..	..	..	416	..	
		Pandekallu ..	2,492	..	..	..	2,492	..	No. 36, dated 13th January 1897.
		Gundlakonda ..	4,476	..	..	..	4,476	..	No. 45, dated 13th January 1897.
		Jonnagiri	824	..	..	..	824	..	No. 47, dated 13th January 1897.
		Katarakonda ..	2,861	..	..	..	2,861	..	No. 182, dated 23rd April 1897.
		Peddapaya ..	3,394	..	..	..	3,394	..	No. 238, dated 4th June 1897.
		Jaladurgam ..	18,113	..	..	..	18,113	..	No. 575, dated 29th November 1897.
		Mukkella date tope.	136	..	..	..	136	..	No. 140, dated 23rd March 1900.
		Total ..	1,328,402	2,075	100,688	256	1,428,834	2,232	
		Reserved lands not transferred to reserved forests during the year.							
	Markapur.	Eastern Nallamalai block No. 8.	2,645	..	..	..	2,645	..	No. 404, dated 6th September 1900.
		Eastern Nallamalai block No. 9.	4,356	..	..	..	4,356	..	
		Eastern Nallamalai block No. 11.	5,179	..	..	..	5,179	..	
		Eastern Nallamalai block No. 12.	3,864	..	..	..	3,864	..	
		Eastern Nallamalai block No. 13.	1,900	..	..	..	1,900	..	
	Pattikonda	Devagudipad ..	3,026	..	..	..	3,026	..	No. 12, dated 21st December 1900.
		Oddapalli	1,460	..	..	..	1,460	..	
		Kottakota	296	..	..	..	296	..	
		Podilla	443	..	..	..	443	..	
		Pyapali Extension I.	1,607	..	..	..	1,607	..	No. 128, dated 4th March 1901.
		Pyapali Extension II.	3,336	..	..	..	3,336	..	
		Tekulakonda Extension I.	158	..	..	..	158	..	
		Tekulakonda Extension II.	1,105	..	..	..	1,105	..	
		Mettupalli No. 1 ..	2,088	..	..	..	2,088	..	
		Nallamekalapalli ..	704	..	..	..	704	..	No. 152, dated 14th March 1901.
		Area notified in previous years.	384,231	..	2,849	(*c*) 5,063 (*d*) 69,605	312,412	..	
		Total ..	416,398	..	2,849	74,668	344,579	539	
		Grand Total ..	1,744,800	..	103,537	74,924	1,773,413	2,771	
		Reserved forests.							
Bellary.	Bellary ..	Bellary	10,152	..	..	..	10,152	..	No. 164, dated 15th April 1890.
		Adduguppa ..	640	..	..	..	640	..	No. 160, dated 9th April 1890.
		Mincheri	4,000	..	..	..	4,000	..	No. 221, dated 3rd June 1890.
		Tekkalakota A and B.	545	..	..	..	545	..	No. 70, dated 16th February 1891.
		Rayadrug ..	5,536	..	..	(*a*) 47	5,489	..	No. 148, dated 7th April 1891.
		Halikota	843	..	..	..	843	..	No. 413, dated 14th September 1891.
		Kurugodu, North-West.	209	..	..	..	209	..	No. 460, dated 15th October 1891.
		Kurugodu, West ..	839	..	..	..	839	..	No. 548, dated 9th December 1891.
		Vonnahalli ..	113	..	..	..	113	..	No. 400, dated 18th August 1892.

(*a*) Rectification of area. (*c*) Excluded at settlement. (*d*) Unreserved by the Collector.

District.	Range.	Name of forest.	Area on 1st July 1900. Acres.	Area on 1st July 1900. Equivalent in square miles.	Added during the year. Acres.	Excluded. Acres.	Area on 30th June 1901. Acres.	Area on 30th June 1901. Equivalent in square miles.	Number and date of Notification of addition or exclusion.
		Reserved forests—cont.							
Bellary—*cont.*	Bellary—*cont.*	Dharmapuri ..	5,300	..	..	..	5,300	..	No. 487, dated 12th October 1892.
		Upparahosahalli ..	1,071	..	..	..	1,071	..	No. 78, dated 16th February 1895.
		Kontanahalli ..	886	..	..	..	886	..	No. 232, dated 7th May 1895.
		Mecheri	1,493	..	..	..	1,493	..	No. 378, dated 16th July 1895.
		Mallapuram A ..	1,586	..	..	(*a*) 38	1,548	..	No. 528, dated 16th September 1895.
		Udegolam	424	..	..	..	424	..	No. 633, dated 11th December 1895.
		Virapuram B ..	3,508	..	..	..	3,508	..	No. 118, dated 4th March 1896.
		Kulluru, West ..	1,341	..	..	..	1,341	..	No. 405, dated 29th August 1898.
		Kadaluru	1,153	..	(*a*) 13	..	1,166	..	No. 302, dated 29th June 1899.
		Kulluru, East ..	471	..	..	(*a*) 5	466	..	No. 314, dated 3rd July 1899.
		Gummanur, North-East.	332	..	..	..	332	..	No. 99, dated 25th February 1890.
		Gummanur, North.	70	..	..	..	70	..	No. 100, dated 25th February 1890.
		Yerur, South-West.	55	..	..	..	55	..	No. 102, dated 25th February 1890.
		Chippigiri, South..	415	..	..	..	415	..	No. 104, dated 25th February 1890.
		Degalahalu ..	111	..	..	..	111	..	No. 142, dated 28th March 1890.
		Yerur, South ..	308	..	..	..	308	..	No. 337, dated 21st July 1890.
		Chippigiri, West ..	283	..	..	..	283	..	No. 339, dated 21st July 1890.
		Halwi	1,200	..	..	..	1,200	..	No. 433, dated 22nd September 1890.
		Badanahalu ..	944	..	..	..	944	..	No. 384, dated 1st September 1891.
		Bonavasi	2,148	..	..	..	2,148	..	No. 533, dated 24th November 1891.
		Kattalam	658	..	..	..	658	..	No. 526, dated 24th November 1891.
		Nandavaram ..	957	..	..	..	957	..	No. 27, dated 15th January 1892.
		Ganekallu	1,074	..	..	..	1,074	..	No. 259, dated 10th June 1892.
		Katekallu	2,586	..	..	..	2,586	..	No. 379, dated 25th July 1892.
		Holalagundi ..	768	..	..	..	768	..	No. 21, dated 9th January 1893.
	Adóni ..	Kenchagarabela-gallu.	1,323	..	..	..	1,323	..	No. 91, dated 6th February 1893.
		Adóni, East ..	1,746	..	..	..	1,746	..	No. 190, dated 27th February 1893.
		Bilehalu	840	..	..	..	840	..	No. 181, dated 28th March 1893.
		Adóni, West ..	3,137	..	..	..	3,137	..	No. 260, dated 18th May 1893.
		Dibbanakallu ..	861	..	..	..	861	..	No. 330, dated 27th June 1894.
		Chinnakadabur ..	677	..	..	..	677	..	No. 326, dated 28th June 1894.
		Halaharivi.. ..	765	..	..	..	765	..	No. 354, dated 10th July 1894.
		Rayachóti	1,639	..	..	..	1,639	..	No. 492, dated 10th October 1894.
		Kuppigallu ..	527	..	..	..	527	..	No. 195, dated 1st April 1895.
		Dibbanakallu Extension.	186	..	..	..	186	..	No. 296, dated 11th June 1895.
		Isivi	868	..	..	..	868	..	No. 295, dated 11th June 1895.
		Kadabur	2,526	..	..	..	2,526	..	No. 429, dated 13th August 1895.
		Sulekeri	1,348	..	..	..	1,348	..	No. 446, dated 13th August 1895.
		Kadimetla	2,036	..	..	..	2,036	..	No. 457, dated 20th August 1895.
		Tungabhadra ..	2,996	..	..	..	2,996	..	No. 623, dated 3rd December 1895.

(*a*) Rectification of area.

District.	Range.	Name of forest.	Area on 1st July 1900. Acres.	Area on 1st July 1900. Equivalent in square miles.	Added during the year. Acres.	Excluded. Acres.	Area on 30th June 1901. Acres.	Area on 30th June 1901. Equivalent in square miles.	Number and date of Notification of addition or exclusion
		Reserved forests—cont.							
Bellary—*cont.*	Adóni —*cont.*	Nowlikallu ..	798	..	..	..	798	..	No. 83, dated 18th February 1896.
		Belagallu ..	679	..	..	..	679	..	No. 167, dated 1st April 1896.
		Kuppigallu ..	4,760	..	..	..	4,760	..	No. 127, dated 10th March 1897.
		Kosigi, South ..	2,232	..	..	..	2,232	..	No. 143, dated 19th March 1897.
		Neraniki	9,902	..	..	..	9,902	..	No. 408, dated 27th August 1897.
		Molagavalli ..	1,434	..	..	..	1,434	..	No. 385, dated 18th August 1898
		Kosigi, North ..	692	..	..	..	692	..	No. 327, dated 20th July 1899.
		Timmapuram ..	998	..	..	..	998	..	No. 166, dated 15th June 1889.
		Tornagallu ..	1,353	..	..	..	1,353	..	No. 463, dated 18th October 1890.
		Joga A and B ..	3,395	..	..	..	3,395	..	No. 60, dated 10th February 1891.
		Gundu	5,979	..	..	..	5,979	..	No. 107, dated 11th March 1891.
		Ubbalagandi ..	1,313	..	..	..	1,313	..	No. 116, dated 18th March 1892.
		Hospet	3,281	..	..	..	3,281	..	No. 236, dated 26th May 1892.
		Bandri	17,247	..	..	..	17,247	..	No. 495, dated 17th October 1892.
		Bukkasagaram ..	6,636	..	..	..	6,636	..	No. 590, dated 7th December 1892.
		Billekallu	12,442	..	..	..	12,442	..	No. 149, dated 17th March 1893.
	Sandur..	Joga C	1,462	..	..	..	1,462	..	No. 76, dated 14th February 1895.
		Joga, North-west ..	2,768	..	..	..	2,768	..	No. 133, dated 9th March 1895.
		Papinayakanahalli.	344	..	..	..	344	..	No. 297, dated 11th June 1895.
		Billekallu, West ..	2,782	..	..	..	2,782	..	No. 451, dated 15th August 1895.
		Kodalu	1,275	..	..	..	1,275	..	No. 586, dated 16th December 1898.
		Ubbalagandi Extension.	1,273	..	..	..	1,273	..	No. 12, dated 5th January 1899.
		Marutla	3,222	..	..	..	3,222	..	No. 389, dated 24th August 1899.
		Tornagallu Extension.	154	..	..	..	154	..	No. 533, dated 27th November 1899.
		Marutla North-east Extension.	896	..	..	..	896	..	No. 546, dated 6th December 1899.
		Ubbalagandi, North Extension.	782	..	..	..	782	..	No. 550, dated 6th December 1899.
		Metriki	..	..	5,140	..	5,140	..	No. 450, dated 9th October 1900.
		Gundu Extension..	..	..	2,416	..	2,416	..	No. 13, dated 18th December 1900.
		Gollalingammanahalli.	1,411	..	..	..	1,411	..	No. 10, dated 20th December 1889.
		Somalapuram ..	2,346	..	(*a*) 43	..	2,389	..	No. 148, dated 26th March 1890.
		Tumbaraguddi ..	4,577	..	..	..	4,577	..	No. 199, dated 13th May 1890.
		Chiribi	4,380	..	..	..	4,380	..	No. 432, dated 22nd September 1890.
		Shivapuram ..	8,775	..	..	..	8,775	..	No. 57, dated 10th February 1891.
		Sunkadakallu ..	6,188	..	..	..	6,188	..	No. 73, dated 16th February 1891.
	Kúdligi.	Nimbalagiri ..	2,351	..	..	..	2,351	..	No. 192, dated 7th May 1892.
		Banivikallu ..	2,936	..	..	..	2,936	..	No. 213, dated 12th May 1892.
		Sunkadakallu, East.	620	..	..	..	620	..	No. 380, dated 17th August 1892.
		Ramadurgam ..	2,079	..	(*a*) 1	..	2,079	..	No. 595, dated 6th December 1892.
		Kakuppi	8,093	..	..	..	8,094	..	No. 277, dated 18th May 1893.
		Sunkadakallu, North-West.	457	..	..	..	457	..	No. 255, dated 24th May 1894.

(*a*) Rectification of area.

District.	Range.	Name of forest.	Area on 1st July 1900. Acres.	Area on 1st July 1900. Equivalent in square miles.	Added during the year. Acres.	Excluded. Acres.	Area on 30th June 1901. Acres.	Area on 30th June 1901. Equivalent in square miles.	Number and date of Notification of addition or exclusion.
		Reserved forests—cont.							
Bellary—*cont.*	Kúdligi—*cont.*	Kakuppi, North-East.	1,504	..	..	..	1,504	..	No. 276, dated 9th June 1894.
		Nimbalagiri, North.	296	..	..	..	296	..	No. 302, dated 18th June 1894.
		Keriyaginahalli ..	3,089	..	..	..	3,089	..	No. 305, dated 18th June 1894.
		Chiribi Extension..	5,527	..	..	..	5,527	..	No. 496, dated 10th October 1894.
		Kakuppi, South-East.	454	..	..	..	454	..	No. 559, dated 12th November 1894.
		Nimbalagiri West Extension.	641	..	..	..	641	..	No. 47, dated 25th January 1895.
		Banivikallu, North-East Extension.	1,557	..	..	..	1,557	..	
		Sunkadakallu, East Extension.	792	..	..	..	792	..	No. 77, dated 14th February 1895.
		Chilakanahatti.	733	..	(*a*) 66	..	799	..	No. 79, dated 16th February 1895.
		Nimbalagiri, South-East.	1,826	..	..	..	1,826	..	No. 84, dated 18th February 1895.
		Shivapuram Extension.	6,126	..	..	..	6,126	..	No. 130, dated 9th March 1895.
		Sunkadakallu, South-West.	6,371	..	..	..	6,371	..	No. 233, dated 7th May 1895.
		Bennikallu ..	7,846	..	(*a*) 1	..	7,847	..	No. 324, dated 18th June 1895.
		Gudekota	4,502	..	..	..	4,502	..	No. 564, dated 29th October 1895.
		Bellahanishi ..	1,305	..	..	..	1,305	..	No. 95, dated 27th February 1899.
		Hampasagaram ..	1,005	..	..	..	1,005	..	No. 197, dated 22nd April 1899.
		Basarakodu ..	787	..	..	..	787	..	No. 227, dated 19th May 1899.
		Bachigondanahalli.	1,735	..	..	..	1,735	..	No. 316, dated 3rd July 1899.
		Chintalapalli, North.	964	..	..	..	964	..	No. 354, dated 4th August 1899.
		Somalapuram South-east extension.	276	..	..	..	276	..	No. 565, dated 11th December 1899.
		Appaiyanahalli ..	2,378	..	..	..	2,378	..	No. 568, dated 12th December 1899.
		Gandabommanahalli.	1,294	..	..	..	1,294	..	No. 575, dated 18th December 1899.
		Hulikunta	3,686	..	..	..	3,686	..	No. 54, dated 1st February 1900.
		Shidagallu A ..	3,198	..	..	(*a*) 19	3,179	..	No. 123, dated 15th March 1900.
		Do. B ..	..	..	1,096	..	1,096	..	No. 251, dated 5th May 1900.
		Do. C ..	..	..	5,310	..	5,310	..	No. 259, dated 19th May 1900.
		Alagilavada ..	1,900	..	..	..	1,900	..	No. 380, dated 12th July 1895.
		Uchangidurgam ..	4,581	..	..	..	4,581	..	No. 23, dated 9th January 1892.
		Sogi	7,325	..	..	(*a*) 5	7,320	..	No. 195, dated 20th April 1893.
		Hayrada	15,468	..	..	..	15,468	..	No. 449, dated 22nd August 1893.
		Jittinigatta ..	13,418	..	..	..	13,418	..	No. 132, dated 27th February 1894.
		Jangjikalgutta ..	10,347	..	..	..	10,347	..	No. 256, dated 22nd May 1894.
	Harpanahalli.	Sogi, North-West ..	300	..	..	..	300	..	No. 122, dated 9th March 1895.
		Sogi, South ..	256	..	..	..	256	..	
		Tumbenakeri ..	1,907	..	(*a*) 30	..	1,937	..	No. 156, dated 28th May 1895.
		Koyilarghatta ..	1,899	..	..	..	1,899	..	No. 234, dated 7th May 1895.
		Sogi, North ..	472	..	..	(*a*) 1	471	..	No. 231, dated 7th May 1895.
		Togarikatti ..	3,941	..	..	..	3,941	..	No. 301, dated 11th June 1895.
		Adivimallapuram ..	944	..	..	..	944	..	No. 313, dated 11th June 1895.
		Nilagunda	1,910	..	..	..	1,910	..	No. 312, dated 11th June 1895.
		Alamarshikeri ..	1,013	..	..	..	1,013	..	No. 352, dated 2nd July 1895.

(*a*) Rectification of area.

District.	Range.	Name of forest.	Area on 1st July 1900. Acres.	Area on 1st July 1900. Equivalent in square miles.	Added during the year. Acres.	Excluded. Acres.	Area on 30th June 1901. Acres.	Area on 30th June 1901. Equivalent in square miles.	Number and date of Notification of addition or exclusion.
		Reserved forests.							
Bellary—*cont.*	Harpanahalli—*cont.*	Harivi	650	..	..	..	650	..	No. 359, dated 2nd July 1895.
		Alagilavada Extensions A and B.	1,720	..	..	..	1,720	..	No. 380, dated 16th July 1895.
		Garbhagudi ..	683	..	..	..	683	..	No. 533, dated 1st October 1895.
		Koyilarghatta Extension.	377	..	..	..	377	..	No. 62, dated 10th February 1899.
		Jittinikotta North Extension.	740	..	..	..	740	..	No. 520, dated 27th November 1899.
		Jittinikotta South-east Extension.	1,294	..	..	..	1,294	..	No. 59, dated 30th January 1900.
		Total ..	334,843	523	14,116	115	348,844	545	
		Reserved lands not transferred to reserved forests during the year.							
	Sandur ..	Chikkantapur ..	..	..	1,911	..	1,911	..	No. 509, dated 22nd November 1900.
		Bandri Extension.	..	..	446	..	446	..	No. 484, dated 30th October 1900.
		Nandibanda ..	..	..	5,277	..	5,277	..	No. 71, dated 5th February 1901.
		Hirehalu ..	..	..	2,674	..	2,674	..	No. 503, dated 17th November 1900.
	Bellary ..	Bodinakallu ..	..	..	2,274	..	2,274	..	No. 446, dated 11th October 1900.
		Hyrada North-east Extension.	2,508	..	..	(*d*) 951	1,557	..	No. 527, dated 23rd November 1900.
	Harpanahalli.	Area notified in previous years.	* 43,000	..	..	(*d*) 1,863	41,137	..	
		Total ..	45,508	..	12,582	2,814	55,276	86	
		Grand Total ..	380,351	..	26,698	2,929	404,120	631	
		Reserved forests.							
Anantapur.	Anantapur	Khojjapalli ..	342	..	..	..	342	..	No. 63, dated 14th January 1885.
		Pamidi	640	..	..	..	640	..	No. 401, dated 12th September 1891.
		Anantapur ..	129	..	..	..	129	..	No. 196, dated 7th October 1884.
		Peddadoddi ..	2,479	..	..	..	2,479	..	No. 237, dated 16th May 1892.
		Bhadrampalli ..	4,226	..	..	..	4,226	..	No. 17, dated 9th January 1893.
		Durgam	3,640	..	..	..	3,640	..	No. 407, dated 22nd August 1893.
		Kanukuntla ..	1,616	..	..	..	1,616	..	No. 406, dated 22nd August 1892.
		Chillavaripalli ..	4,980	..	..	..	4,980	..	No. 409, dated 22nd August 1892.
		Daditota	3,634	..	..	..	3,634	..	No. 456, dated 21st September 1892.
		Neriyampalli ..	2,285	..	..	..	2,285	..	No. 485, dated 10th October 1892.
		Yellutla	9,182	..	..	..	9,182	..	No. 38, dated 16th January 1893.
		Upparapalle ..	782	..	..	..	782	..	No. 341, dated 27th June 1893.
		Katrimala East ..	4,696	..	..	..	4,696	..	No. 411, dated 3rd August 1893.
		Do. West ..	7,536	..	..	..	7,536	..	No. 410, dated 7th July 1893.
		Nagasamudram North and South.	11,731	..	..	..	11,731	..	No. 424, dated 10th August 1893.
		Yellanur	1,156	..	..	..	1,156	..	No. 447, dated 22nd August 1893.
		Yadiki	9,676	..	..	..	9,676	..	No. 446, dated 22nd August 1893.
		Tarimela	11,574	..	..	..	11,574	..	No. 264, dated 15th May 1893.
		Kristipadu ..	869	..	..	..	869	..	No. 125, dated 6th March 1894.
		Illuru	1,293	..	..	..	1,293	..	No. 127, dated 6th March 1894.

* Exclusive of 338 acres added by rectification of area during the year and transferred to reserved forests during the same year.
(*d*) Unreserved by the Collector.

District.	Range.	Name of forest.	Area on 1st July 1900. Acres.	Area on 1st July 1900. Equivalent in square miles.	Added during the year. Acres.	Excluded. Acres.	Area on 30th June 1901. Acres.	Area on 30th June 1901. Equivalent in square miles.	Number and date of Notification of addition or exclusion.
			Reserved forests—cont.						
Anantapur—*cont.*	Anantapur—*cont.*	Teliki	891	..	..	..	891	..	No. 133, dated 9th March 1894.
		Marutla	12,956	..	..	..	12,956	..	No. 145, dated 12th March 1894.
		Jakalacheruvu ..	2,468	..	..	..	2,468	..	No. 123, dated 27th February 1894.
		Muchukota ..	21,759	..	..	..	21,759	..	No. 531, dated 20th August 1895.
		Koppulakonda ..	738	..	..	..	738	..	No. 212, dated 3rd May 1894.
		Revuludiki ..	2,021	..	..	..	2,021	..	No. 67, dated 30th January 1895.
		Molakatalu ..	3,855	..	..	..	3,855	..	No. 120, dated 9th March 1895.
		Kanumpalli ..	2,216	..	..	..	2,216	..	No. 64, dated 8th February 1896.
		Durgam Extension.	855	..	..	..	855	..	No. 262, dated 3rd June 1898.
		Narasampalli ..	2,210	..	..	..	2,210	..	No. 346, dated 5th December 1885.
		Kottakota ..	11,016	..	..	..	11,016	..	No. 53, dated 25th January 1887.
		Neradikonda ..	2,217	..	..	..	2,217	..	No. 427, dated 21st September 1891.
		Somarajmalai ..	2,115	..	..	..	2,115	..	No. 225, dated 1st August 1885.
		Bhadrapur	3,347	..	..	..	3,347	..	No. 151, dated 12th April 1892.
		Agraharam ..	2,134	..	..	..	2,134	..	No. 562, dated 25th November 1892.
		Vengalamma-cheruvu.	2,371	..	..	..	2,371	..	No. 18, dated 9th January 1893.
		Kondur	607	..	..	..	607	..	No. 353, dated 1st August 1892.
		Nyalakota ..	12,156	..	..	..	12,156	..	No. 315, dated 15th June 1893.
		Gopidevarapalli ..	1,884	..	..	..	1,884	..	No. 314, dated 16th June 1893.
		Somandapalli ..	9,782	..	..	..	9,782	..	No. 389, dated 17th July 1893.
		Dokkalakonda ..	7,420	..	..	..	7,420	..	No. 394, dated 28th July 1893.
	Penukonda	Yerrakonda ..	7,729	..	..	..	7,729	..	No. 448, dated 22nd August 1893.
		Amagondapaliem ..	15,360	..	..	..	15,360	..	No. 497, dated 26th September 1893.
		Yerlampalli ..	2,959	..	..	..	2,959	..	No. 511, dated 5th October 1893.
		Mallappakonda ..	4,370	..	..	..	4,370	..	No. 172, dated 28th March 1893.
		Malakavemula-konda.	2,285	..	..	..	2,285	..	No. 219, dated 27th April 1893.
		Gutur, East and West.	7,761	..	..	..	7,761	..	No. 242, dated 3rd May 1894.
		Ramgiri, East and West.	9,527	..	..	..	9,527	..	No. 386, dated 31st July 1894.
		Penukonda ..	4,632	..	..	..	4,632	..	No. 222, dated 25th April 1895.
		Jannavaripalle ..	6,085	..	..	..	6,085	..	No. 468, dated 18th September 1894.
		Cherlopalli ..	1,576	..	..	..	1,576	..	No. 152, dated 28th March 1895.
		Elavalakonda ..	1,833	..	..	..	1,833	..	No. 83, dated 18th February 1895.
		Kondapalli ..	4,500	..	..	..	4,500	..	No. 568, dated 6th December 1898.
		Narasampalli ..	1,933	..	..	..	1,933	..	No. 488, dated 27th October 1898.
		Kalagira ..	4,107	..	..	..	4,107	..	No. 251, dated 18th May 1898.
		Boodikonda A and B.	1,275	..	..	..	1,275	..	No. 429, dated 21st September 1891.
		Kalyandrug, North.	475	..	..	..	475	..	Nos. 294 and 303, dated 15th June 1893.
	Madakasira.	Do. South.	996	..	..	..	986	..	
		Kakathi	2,470	..	..	..	2,470	..	No. 279, dated 18th May 1895.
		Sankarakallu, South	1,008	..	..	..	1,008	..	No. 148, dated 16th March 1896.
		Madakasira, North.	3,473	..	..	..	3,473	..	No. 80, dated 15th February 1896.

District.	Range.	Name of forest.	Area on 1st July 1900. Acres.	Area on 1st July 1900. Equivalent in square miles.	Added during the year. Acres.	Excluded. Acres.	Area on 30th June 1901. Acres.	Area on 30th June 1901. Equivalent in square miles.	Number and date of Notification of addition or exclusion.
			Reserved forests—cont.						
Anantapur—*cont.*	Madakasira—*cont.*	Madakasira South..	963	..	..	..	963	..	No. 543, dated 12th November 1894.
		Gundumala ..	5,344	..	..	..	5,344	..	No. 65, dated 8th February 1896.
		Rathnagiri ..	1,127	..	..	..	1,127	..	No. 447, dated 28th September 1898.
		Golla	6,781	..	..	..	6,781	..	No. 42, dated 17th January 1898.
		Ayidukallu ..	3,775	..	..	..	3,775	..	No. 198, dated 22nd April 1899.
		Pillahalli	1,365	..	..	..	1,365		No. 572, dated 6th December 1898.
		Shetturu	4,380	..	..	..	4,380	..	No. 167, dated 7th April 1899.
		Khyrevu	5,424	..	..	..	5,424	..	No. 166, dated 7th April 1899.
		Yemmihutti ..	1,799	..	..	..	1,799	..	No. 495, dated 27th October 1898.
		Iyampalli	1,344	..	..	..	1,344	..	No. 44, dated 17th January 1898.
		Yerracherla ..	1,243	..	..	..	1,243	..	No. 144, dated 19th March 1896.
		Hottibetta, North.	7,339	..	..	..	7,339	..	No. 313, dated 1st July 1898.
		Shiripi	822	..	..	..	822	..	No. 591, dated 12th November 1895.
		Ravudi	..	..	350	..	350	..	No. 500, dated 5th November 1900.
	Anantapur and Penukonda.	Kuderu	10,711	..	..	..	10,711	..	No. 373, dated 23rd July 1894.
		Total ..	324,255	507	350	..	324,605	508	
		Reserved lands not transferred to reserved forests during the year.							
		Area notified in previous year.	1,661	..	..	..	1,661	2	
		Grand Total ..	325,916	..	350	..	326,266	510	
			Reserved forests.						
Cuddapah.	Proddatur.	Dasaripalli Extensions, B.C.D.	8,181	..	..	..	8,181	..	No. 141, dated 19th March 1897.
		Kondasunkesula ..	2,612	..	..	..	2,612	..	No. 523, dated 7th November 1892.
		Dabbudapalle ..	1,950	..	..	..	1,950	..	No. 197, dated 20th April 1893.
		Dhodiyam	1,800	..	..	..	1,800	..	No. 204, dated 11th May 1892.
		Do. Extension A.	2,147	..	..	..	2,147	..	No. 114, dated 11th March 1899.
		Do. Extension B.	1,655	..	..	..	1,655	..	No. 65, dated 10th February 1899.
		Malamidikambaladinne.	3,440	..	..	..	3,440	..	No. 598, dated 7th December 1892.
		Penner	520	..	..	..	520	..	No. 132, dated 6th March 1893.
		Kodur Tope ..	..	..	24	..	24	..	No. 181, dated 21st March 1901.
		Gandikota, North.	6,408	..	..	..	6,408	..	No. 331, dated 27th June 1893.
		Do. South ..							
		Do. Extension B.	762	..	..	..	762	..	No. 63, dated 10th February 1899.
		Do. Extension C.	254	..	..	..	254	..	No. 94, dated 27th February 1899.
		Yamavaram ..	1,600	..	..	..	1,600	..	No. 434, dated 5th September 1892.
		Kosinepalle ..	7,040	..	..	..	7,040	..	No. 591, dated 12th December 1892.
		Do. Extension A.	1,092	..	..	..	1,092	..	No. 303, dated 28th June 1899.
		Kondapuram ..	1,977	..	..	..	1,977	..	No. 245, dated 10th May 1893.
		Rameswaram ..	1,044	..	..	..	1,044	..	No. 465, dated 5th September 1893.
		Chapad	809	..	..	..	809	..	No. 108, dated 4th March 1896.
		Pallavole	809	..	..	..	809	..	No. 108, dated 4th March 1896.
		Vedurur	678	..	..	..	678	..	No. 147, dated 15th March 1897.

District.	Range.	Name of forest.	Area on 1st July 1900. Acres.	Area on 1st July 1900. Equivalent in square miles.	Added during the year. Acres.	Excluded. Acres.	Area on 30th June 1901. Acres.	Area on 30th June 1901. Equivalent in square miles.	Number and date of Notification of addition or exclusion.
			Reserved forests—cont.						
Cuddapah.—*cont.*	Proddatur and Badvel.	Dasaripalli ..	55,662	..	..	..	55,662	..	No. 338, dated 12th June 1895.
		Kanchalamoram ..	9,678	..	..	..	9,678	..	No. 180, dated 6th April 1893.
		Kanchalamoram, Extension A.	..	..	12,424	..	12,424	..	No. 538, dated 5th December 1900.
	Proddatur and Cuddapah.	Nidujuvvi	1,597	..	..	..	1,597	..	No. 328, dated 20th June 1893.
		Bhanakotamala ..	10,580	..	..	..	10,580	..	No. 48, dated 30th January 1894.
		Mallela, North .. Do. South ..	3,754	..	..	..	3,754	..	No. 269, dated 15th May 1893.
		Kavalakuntla, North.	6,648	..	..	..	6,648	..	No. 321, dated 9th September 1887.
		Kavalakuntla, South.	3,494	..	..	..	3,494	..	
		Kavalakuntla Extension A. Kavalakuntla Extension B.	4,333	..	..	..	4,333	..	No. 114, dated 4th March 1896.
		Ganugapenta ..	11,577	..	..	..	11,577	..	No. 321, dated 9th September 1887.
		Ganugapenta Extensions A and B.	7,416	..	..	..	7,416	..	No. 446, dated 5th September 1896.
		Gopavaram ..	7,950	..	..	..	7,950	..	No. 168, dated 28th March 1893.
		Gopavaram Extensions A and B.	4,980	..	..	..	4,980	..	No. 126, dated 6th March 1894.
	Badvel ..	Kottakota ..	38,742	..	..	..	38,742	..	No. 338, dated 12th June 1895.
		Kottakota-Dasaripalli Extension A.	21,176	..	..	..	21,176	..	No. 34, dated 10th January 1898.
		Kalasapad	5,111	..	..	..	5,111	..	No. 15, dated 20th December 1894.
		Do. Extension.	5,095	..	..	..	5,095	..	No. 473, dated 13th September 1896.
		Badvel Tope ..	..	..	11	..	11	..	No. 181, dated 21st March 1901.
		Vattimadugu tope.	..	..	14	..	14	..	
		Chennupalli Reserve.	3,785	..	..	..	3,785	..	No. 426, dated 7th September 1897.
		Sancherla	5,248	..	..	..	5,248	..	No. 533, dated 7th November 1894.
		Sancherla Extension.	4,968	..	..	..	4,968	..	No. 58, dated 28th January 1898.
		Gorivikanama Extension.	..	..	1,317	..	1,317	..	No. 9, dated 20th December 1900.
		Gonumakulapalli ..	1,280	..	..	..	1,280	..	No. 578, dated 28th November 1892.
		Kamalapuram Plantation.	561	..	..	..	561	..	No. 292, dated 24th July 1886.
		Kommaddi ..	684	..	..	..	684	..	No. 216, dated 5th May 1893.
		Ganganapalli ..	19,232	..	..	..	19,232	..	No. 294, dated 27th May 1895.
	Cuddapah.	Tummalur ..	1,450	..	..	..	1,450	..	No. 122, dated 11th March 1897.
		Do. Extensions A and B.	2,804	..	..	..	2,804	..	
		Indupalapaya Palmyra Plantation.	653	..	..	..	653	..	No. 611, dated 19th November 1895.
		Surabhu	..	..	5,531	..	5,531	..	No. 272, dated 1st June 1900.
		Pulivendla Tope ..	..	..	35	..	35	..	No. 181, dated 21st March 1901.
	Cuddapah and Rayachóti.	Indupalapaya ..	25,020	..	..	..	25,020	..	No. 294, dated 27th May 1895.
		Redlacheruvu ..	7,608	..	..	..	7,608	..	
	Cuddapah, Siddhavattam & Rayachóti.	Palkonda	87,958	..	..	..	87,958	..	No. 269, dated 27th May 1898.
	Cuddapah & Kadiri.	Gorivikanama ..	30,560	..	..	..	30,560	..	No. 518, dated 7th November 1892.
		Dorigallu	24,032	..	..	..	24,032	..	No. 514, dated 31st October 1892.
	Badvel, Cuddapah & Siddhavattam.	Lankamalais ..	70,000	..	..	..	70,000	..	No. 594, dated 6th December 1892.

District.	Range.	Name of forest.	Area on 1st July 1900. Acres.	Area on 1st July 1900. Equivalent in square miles.	Added during the year. Acres.	Excluded. Acres.	Area on 30th June 1901. Acres.	Area on 30th June 1901. Equivalent in square miles.	Number and date of Notification of addition or exclusion.
			Reserved forests—cont.						
Cuddapah—*cont.*	Proddatur, Badvel, Cuddapah & Siddhavattam.	Lankamalais Extension.	43,576	..	..	..	43,576	..	No. 527, dated 20th November 1899.
	Siddhavattam.	Ramapuram ..	5,300	..	..	..	5,300	..	No. 141, dated 17th March 1893.
		Ramapuram Extension.	2,163	..	..	..	2,163	..	No. 34, dated 17th January 1894.
		Malliamkonda ..	10,240	..	..	..	10,240	..	No. 321, dated 9th September 1887.
		Konarazupalle ..	9,696	..	..	..	9,696	..	No. 140, dated 17th March 1893.
		Vontimitta ..	4,500	..	..	..	4,500	..	No. 509, dated 2nd November 1892.
		Vontimitta Extension.	2,529	..	..	..	2,529	..	No. 254, dated 6th June 1899.
		Kanawalapalli ..	4,435	..	..	..	4,435	..	No. 335, dated 23rd August 1886.
		Kanamalapalli Extension.	3,695	..	..	..	3,695	..	No. 242, dated 2nd June 1899.
		Turpukonda ..	8,378	..	..	..	8,378	..	No. 99, dated 27th February1894.
		Turpukonda Extension.	..	..	22,370	..	22,370	..	No. 444, dated 4th October 1900.
		Kokaletikanama Extension A.	5,114	..	..	..	5,114	..	No. 300, dated 28th June 1899.
		Kokaletikanama Extension B.	..	..	7,020	..	7,020	..	No. 289, dated 13th June 1900.
		Malliamkonda Addition.	906	..	..	..	906	..	No. 289, dated 25th May 1893.
		Wongimalla ..	11,401	..	..	..	11,401	..	No. 269, dated 27th May 1898.
	Siddhavattam and Pullampet.	Cheyer	1,900	..	..	..	1,900	..	No. 576, dated 24th November 1893.
		Konarazupalle Extension.	18,743	..	..	..	18,743	..	No. 571, dated 11th December 1899.
		Kanakalakonda ..	2,641	..	..	..	2,641	..	No. 232, dated 1st May 1893.
		Kanakalakonda Extension.	4,496	..	..	..	4,496	..	No. 29, dated 12th January 1899.
		Patur	3,334	..	..	..	3,334	..	No. 232, dated 1st May 1893.
		Do. Extension ..	4,896	..	..	..	4,896	..	No. 96, dated 27th February 1899.
		Kokaletikanama ..	4,609	..	..	..	4,609	..	No. 578, dated 24th November 1893.
		Kottur	12,160	..	..	..	12,160	..	No. 599, dated 12th December 1892.
	Kadiri ..	Ishwaramala ..	15,360	..	..	..	15,360	..	No. 445, dated 22nd August 1893.
		Kadiri Tope ..	..	..	4	..	4	..	No. 181, dated 21st March 1901.
		Kurli Tope.. ..	..	..	13	..	13	..	
		Kokanti	9,373	..	..	..	9,373	..	No. 230, dated 8th May 1894.
		Kadiri	5,420	..	..	..	5,420	..	No. 436, dated 15th August 1893.
		Vellichelamala ..	3,560	..	..	..	3,560	..	No. 220, dated 2nd May 1891.
		Nigadi	27,450	..	..	..	27,450	..	No. 418, dated 24th August 1892.
		Kukkarazukonda ..	2,720	..	..	..	2,720	..	No. 641, dated 4th December 1891.
		Tummala	24,097	..	..	..	24,097	..	No. 257, dated 8th June 1892.
		Malakaveruula ..	2,760	..	..	..	2,760	..	No. 265, dated 15th May 1893.
		Tummalamala ..	8,210	..	..	..	8,210	..	No. 9, dated 19th December 1892.
		Kondakomerla ..	4,113	..	..	..	4,113	..	No. 177, dated 6th April 1893.
		Somarazumala, East	910	..	..	..	910	..	No. 579, dated 28th November 1892.
		Nigadi Extension A.	2,507	..	..	..	2,507	..	No. 108, dated 1st March 1897.
		Do. B.							
		Goddavelugalu ..	2,488	..	..	..	2,488	..	No. 263, dated 15th May 1893.
		Mudupalajuvi ..	1,226	..	..	..	1,226	..	No. 474, dated 14th October 1891.

District.	Range.	Name of forest.	Area on 1st July 1900. Acres.	Area on 1st July 1900. Equivalent in square miles.	Added during the year. Acres.	Excluded. Acres.	Area on 30th June 1901. Acres.	Area on 30th June 1901. Equivalent in square miles.	Number and date of Notification of addition or exclusion.
			Reserved forests—cont.						
Cuddapah—*cont.*	Kadiri—*cont.*	Kutagulla	718	..	..	..	718	..	No. 561, dated 15th November 1893.
		Nagareddipalli ..	694	..	..	..	694	..	No. 78, dated 12th February 1894.
		Voruvoyi	2,257	..	..	..	2,257	..	No. 128, dated 11th March 1897.
		Yerrappakonda Reserve.	3,088	..	..	..	3,088	..	No. 533, dated 12th November 1897.
		Seshachalam Extension C.	5,328	..	..	..	5,328	..	No. 436, dated 21st September 1898.
	Rayachóti.	Sibyala	3,500	..	..	..	3,500	..	No. 292, dated 24th July 1896.
		Do. Extension, North.	715	..	..	..	715	..	No. 313, dated 3rd July 1899.
		Tsundapalle ..	3,000	..	..	..	3,000	..	No. 292, dated 24th July 1886.
		Madhavaram, East and West.	4,681	..	..	..	4,681	..	No. 335, dated 22nd July 1892.
		Madhavaram Extension.	4,425	..	..	..	4,425	..	No. 493, dated 11th November 1899.
		Vandadi hill ..	3,390	..	..	..	3,390	..	No. 346, dated 1st August 1890.
		Muddampad slopes.	9,024	..	..	..	9,024	..	No. 84, dated 11th February 1896.
		Polimyrapalli ..	1,702	..	..	..	1,702	..	No. 440, dated 13th August 1895.
		Hasanapuram ..	286	..	..	..	286	..	No. 514, dated 9th September 1895.
		Gundlakonda ..	4,438	..	..	..	4,438	..	No. 146, dated 23rd March 1900.
		Pandikunta ..	2,456	..	..	..	2,456	..	No. 357, dated 1st August 1899.
	Rayachóti and Pullampet.	Gadikota	12,462	..	..	..	12,462	..	No. 292, dated 24th July 1886.
		Cheyer Extension.	..	..	7,680	..	7,680	..	No. 362, dated 11th August 1900.
		Yerrakonda, North and South.	7,515	..	..	..	7,515	..	No. 535, dated 17th October 1893.
		Yerrakonda Extension.	11,996	..	..	..	11,996	..	No. 447, dated 18th August 1895.
	Rayachóti and Vayalpad.	Urukonda	7,986	..	..	..	7,986	..	No. 576, dated 28th November 1892.
	Rayachóti, Pullampet and Vayalpad.	Seshachalam and Rollamadugu.	132,701	..	..	..	132,701	..	No. 335, dated 23rd August 1886.
	Rayachóti, and Vayalpad.	Rekkalakonda ..	8,735	..	..	..	8,735	..	No. 574, dated 24th November 1893.
	Pullampet.	Kodur Plantation.	50	..	..	..	50	..	No. 39, dated 6th March 1884.
		Upparapalli Plantation.	108	..	..	..	108	..	No. 223, dated 11th November 1884.
		Reddipalle Plantation.	1,415	..	..	..	1,415	..	No. 292, dated 24th July 1886.
		Reddipalle Plantation Extension.	458	..	..	..	458	..	No. 592, dated 2nd November 1895.
		Pullampet Plantation.	328	..	..	..	328	..	No. 170, dated 6th September 1894.
		Mittamidapalle Plantation.	98	..	..	..	98	..	
		Tunakonda reserve.	1,048	..	..	..	1,048	..	No. 39, dated 6th March 1884.
		Settigunta	8,960	..	..	..	8,960	..	No. 54, dated 25th January 1887.
		Kodur hill	7,440	..	..	..	7,440	..	No. 335, dated 23rd August 1886.
		Kodur Hill Extension.	..	..	6,555	..	6,555	..	No. 305, dated 19th June 1900.
		Salivendrla.. ..	12,800	..	..	..	12,800	..	No. 323, dated 9th September 1887.
		Salivendla Extension A. / Salivendla Extension B.	4,799	..	..	..	4,799	..	No. 85, dated 21st February 1900.
		Chitvel	4,571	..	..	..	4,571	..	No. 79, dated 12th February 1894.
		Do. Extension A.	11,351	..	..	..	11,351	..	No. 390, dated 31st August 1899.
		Vattalur hill ..	2,380	..	..	..	2,380	..	No. 292, dated 24th July 1886.

District.	Range.	Name of forest.	Area on 1st July 1900. Acres.	Area on 1st July 1900. Equivalent in square miles.	Added during the year. Acres.	Excluded. Acres.	Area on 30th June 1901. Acres.	Area on 30th June 1901. Equivalent in square miles.	Number and date of Notification of addition or exclusion.
		Reserved forests—cont.							
Cuddapah—*cont.*	Pullampet.—*cont.*	Seshachalam Extension B.	1,793	..	..	..	1,793	..	No. 435, dated 21st September 1898.
		Gottimanikona ..	3,732	..	..	..	3,732	..	No. 458, dated 15th October 1891.
		Gottimanikona Extension.	..	..	1,837	..	1,837	..	No. 370, dated 15th August 1900.
		Budaguntapalle ..	1,538	..	..	..	1,538	..	No. 271, dated 15th May 1893.
		Budaguntapalle Extension.	3,136	..	..	..	3,136	..	No. 492, dated 11th November 1899.
		Chiyavaram ..	2,666	..	..	..	2,666	..	No. 174, dated 27th April 1892.
		Chiyavaram Extension.	5,081	..	..	..	5,081	..	No. 286, dated 19th June 1899.
		Avalapenta ..	1,434	..	..	..	1,434	..	No. 408, dated 12th September 1891.
		Mushtiyeru ..	6,432	..	..	..	6,432	..	No. 547, dated 9th December 1891.
		Kodivengammabavi.	3,788	..	..	..	3,788	..	No. 17, dated 26th December 1894.
		Marrjutla	5,539	..	..	..	5,539	..	No. 265, dated 15th May 1895.
		Tippayapalli ..	334	..	..	..	334	..	No. 365, dated 8th July 1893
		Periyavaram tope.	..	..	29	..	29	..	No. 181, dated 21st March 1901.
		Tavalam	8,450	..	..	..	8,450	..	No. 513, dated 2nd November 1892.
		Madhanikonda ..	1,750	..	..	..	1,750	..	No. 386, dated 1st September 1891.
		Pentzupad	2,870	..	..	..	2,870	..	No. 396, dated 22nd August 1892.
		Avalakonda ..	7,700	..	..	..	7,700	..	No. 419, dated 24th August 1892.
		Mudimadugu .. / Horsleykonda ..	15,500	..	..	..	15,500	..	No. 574, dated 28th November 1892.
		Mothugamala ..	2,674	..	..	..	2,674	..	No. 519, dated 16th November 1891.
		Tsadukonda ..	15,023	..	..	..	15,023	..	No. 39, dated 19th January 1893.
		Nallakonda ..	3,856	..	..	..	3,856	..	No. 405, dated 12th September 1891.
		Kottammakonda ..	640	..	..	..	640	..	No. 231, dated 30th July 1889.
		Pulikonda	2,460	..	..	..	2,460	..	No. 472, dated 14th October 1891.
		Potapolu	264	..	..	..	264	..	No. 352, dated 1st August 1892.
		Horsleykonda ..	6,239	..	..	..	6,239	..	No. 521, dated 3rd November 1897.
		Kukarazupalle ..	1,660	..	..	..	1,660	..	No. 456, dated 15th October 1891.
	Vayalpad.	Kurubalakota ..	348	..	..	..	348	..	No. 225, dated 1st May 1893.
		Batlapur	956	..	..	..	956	..	
		Neridikonda ..	6,145	..	..	..	6,145	..	No. 92, dated 27th February 1899.
		Musalikunta ..	2,161	..	..	..	2,161	..	No. 462, dated 4th October 1898.
		Yellutla Extension B.	1,661	..	..	..	1,661	..	No. 587, dated 16th December 1898.
		Nurukuppalakonda.	8,461	..	..	..	8,461	..	No. 511, dated 1st November 1892.
		Tarigonda	6,831	..	..	..	6,831	..	No. 8, dated 7th December 1892.
		Guttapalem ..	2,522	..	..	..	2,522	..	No. 56, dated 2nd February 1892.
		Yellutla	3,433	..	..	..	3,433	..	No. 304, dated 19th August 1887.
		Gojjibuchikona .. / Yerramoralajedu ..	18,180	..	..	..	18,180	..	No. 266, dated 15th May 1893.
		Ankalammakonda..	4,640	..	..	..	4,640	..	No. 207, dated 11th May 1892.
		Doddipalli	1,981	..	..	..	1,981	..	No. 185, dated 16th April 1891.
		Sorakayalapeta ..	2,832	..	..	..	2,832	..	No. 111, dated 23rd February 1893.
		Sorakayalapeta Extension.	740	..	..	..	740	..	No. 350, dated 22nd June 1895.
		Peddamallela ..	3,698	..	..	..	3,698	..	No. 464, dated 14th October 1891.

District.	Range.	Name of forest.	Area on 1st July 1900. Acres.	Area on 1st July 1900. Equivalent in square miles.	Added during the year. Acres.	Excluded. Acres.	Area on 30th June 1901. Acres.	Area on 30th June 1901. Equivalent in square miles.	Number and date of Notification of addition or exclusion.
			Reserved forests—cont.						
Cuddapah—*cont.*	Vayalpad—*cont.*	Marella Extension.	1,383	..	..	..	1,383	..	No. 243, dated 26th May 1897.
		Talakonda	18,900	..	..	..	18,900	..	No. 498, dated 14th October 1892.
		Bhakarapet ..	10,600	..	..	..	10,600	..	No. 474, dated 5th October 1892.
		Piler	396	..	..	..	396	..	No. 229, dated 2nd May 1893.
		Gundlur	2,114	..	..	..	2,114	..	No. 320, dated 5th July 1897.
		Marripad	4,773	..	..	..	4,773	..	No. 343, dated 20th July 1897.
		Kalakada Tope ..	..	..	13	..	13	..	No. 181, dated 21st March 1901.
		Total ..	1,298,037	2,028	64,877	..	1,362,914	2,129	
			Reserved lands not transferred to reserved forests during the year.						
	Pullampet	Kodur tope ..	..	..	58	..	58	..	
		Periyavaram ..	..	..	29	* 29	..	..	
	Sidhout	Konur A and B topes.	..	..	12	..	12	..	
		Sidhout tope ..	..	..	8	..	8	..	
	Badvel	Venkatapuram tope	..	..	15	..	15	..	
		Badvel	..	..	11	* 11	..	..	
		Vattimadugu ..	..	..	14	* 14	..	..	
	Prodattur	Diguvapatnam tope.	..	..	13	..	13	..	
		Gundulur do.	..	..	37	..	37	..	
		Pattipad do.	..	..	112	..	112	..	
		Tallaprodattur do.	..	..	113	..	113	..	Notification No. 355, dated 3rd August 1900.
		Kodur	..	..	24	* 24	..	..	
	Cuddapah	Appayappalli tope.	..	..	95	..	95	..	
		Pulivendla ..	..	..	35	* 35	..	..	
	Kadiri	Danayanicheruvu tope	..	..	8	..	8	..	
		Obuladeveracheruvu tope.	..	..	13	..	13	..	
		Sidapuram tope ..	..	..	6	..	6	..	
		Kadiri	..	..	4	* 4	..	..	
		Kurli	..	..	13	* 13	13	..	
	Rayachóti ..	Guvvalacheruvu tope.	..	..	13	..	..	..	
	Vayalpad.	Gundlahbavi ..	..	..	12	..	12	..	
		Chintaguta ..	..	..	33	..	33	..	
		Kalakada	..	..	13	13	..	..	Notification No. 340, dated 21st July 1900.
		Area notified in previous years.	205,890	..	..	(*a*) 9,150	196,740	..	
		Total ..	205,890	..	691	9,293	197,288	308	
		Grand Total ..	1,503,927	..	65,568	9,293	1,560,202	2,437	
			Reserved forests.						
Nellore.	Kanigiri.	Kanigiri Hill ..	2,000	..	..	..	2,000	..	No. 494, dated 14th October 1892.
		Vedullacheruvu ..	7,000	..	..	..	7,000	..	No. 303, dated 23rd June 1894.
		Nandanavanam ..	18,000	..	..	..	18,000	..	No. 334, dated 27th July 1892.
		Chimakurti Hill ..	3,500	..	..	..	3,500	..	No. 175, dated 4th April 1894.
		Kothapatam Casuarina Plantation.	147	..	..	..	147	..	No. 291, dated 22nd July 1886.
		KanupartiCasuarina Plantation.	520	..	..	..	520	..	No. 363, dated 1st October 1886.
		Nandanavanam Extension B.	550	..	..	..	550	..	No. 67, dated 6th February 1900.
		Nandanavanam Extension A.	660	..	..	..	660	..	No. 68, dated 9th February 1900.
		Dasaripalli ..	760	..	..	..	760	..	No. 82, dated 14th February 1900.
		Peddacherlopalli ..	1,700	..	..	(*a*) 70	1,630	..	No. 108, dated 7th March 1900.
		Hajipuram ..	1,925	..	..	(*a*) 9	1,916	..	No. 172, dated 7th April 1900.

(*a*) Rectification of area. * Transferred to reserved forests during the year.

District.	Range.	Name of forest.	Area on 1st July 1900. Acres.	Area on 1st July 1900. Equivalent in square miles.	Added during the year. Acres.	Excluded. Acres.	Area on 30th June 1901. Acres.	Area on 30th June 1901. Equivalent in square miles.	Number and date of Notification of addition or exclusion.
		Reserved forests—cont.							
Nellore—*cont.*	Kanigiri —*cont.*	Mogilicherla, North	..	..	1,120	..	1,120	..	No. 317, dated 7th July 1900.
		Mogilicherla, West.	..	..	860	..	860	..	No. 327, dated 10th July 1900.
		Raviguntapalli ..	..	..	1,200	..	1,200	..	No. 372, dated 15th August 1900.
		Aiyavaripalli ..	..	..	1,145	..	1,145	..	No. 501, dated 19th November 1900.
		Nandanavanam Extension. C.	..	..	358	..	358	..	No. 151, dated 14th March 1901.
		Pedda Alavalapad..	..	..	1,080	..	1,080	..	No. 173, dated 14th March 1901.
		Musunur	..	..	700	..	700	..	No. 56, dated 17th January 1901.
		Ramapatam Casuarina plantation.	60	..	..	..	60	..	No. 362, dated 1st October 1886.
		Chagollu A and B.	1,010	..	..	..	1,010	..	No. 361, dated 26th November 1889.
		Chinna Latarapi ..	1,548	..	..	..	1,548	..	No. 19, dated 20th December 1889.
		Ravur	2,187	..	..	..	2,187	..	No. 51, dated 21st January 1890.
		Ramapatam ..	1,516	..	..	..	1,516	..	No. 198, dated 13th May 1890.
		Gudlur	3,297	..	..	..	3,297	..	No. 497, dated 17th November 1890.
		Mocherla Chelamcherla.	12,236	..	..	..	12,236	..	No. 189, dated 16th April 1891.
		Kollurpad	600	..	..	..	600	..	No. 409, dated 20th July 1895.
		Virapalli	500	..	..	..	500	..	No. 465, dated 28th August 1895.
		Chimidipad B ..	300	..	..	..	300	..	No. 465, dated 28th August 1895.
		Chevur	320	..	..	..	320	..	No. 465, dated 28th August 1895.
		Karedu	1,180	..	..	..	1,180	..	No. 486, dated 6th September 1895.
		Chimidipad A ..	680	..	..	..	680	..	No. 488, dated 4th September 1895.
		Mocherla	900	..	..	..	900	..	No. 489, dated 4th September 1895.
		Patlur	680	..	..	..	680	..	No. 23, dated 16th December 1895.
		Gudlur, South ..	1,350	..	..	..	1,350	..	No. 46, dated 22nd January 1896.
	Kavali.	Bhimavaram ..	416	..	..	..	416	..	No. 442, dated 3rd September 1896.
		Chagollu C ..	390	..	..	..	390	..	No. 136, dated 19th March 1896.
		Chelamcherla Extension.	200	..	..	..	200	..	No. 168, dated 30th March 1897.
		Chakicherla, North.	1,100	..	..	..	1,100	..	No. 190, dated 5th May 1890.
		Tummalapenta Casuarina plantation	100	..	..	..	100	..	No. 293, dated 24th July 1886.
		Maddurpad ..	2,012	..	..	..	2,012	..	No. 13, dated 20th December 1888.
		Zaladanki, East ..	600	..	..	..	600	..	No. 293, dated 16th October 1889.
		Zammalapalem ..	1,130	..	..	..	1,130	..	No. 346, dated 26th November 1889.
		Rudrakota	2,100	..	..	..	2,100	..	No. 370, dated 2nd December 1889.
		Gattupalli	838	..	..	..	838	..	No. 371, dated 2nd December 1889.
		Zaladanki, West ..	1,254	..	..	..	1,254	..	No. 377, dated 2nd December 1889.
		Gollapalem ..	960	..	..	..	960	..	No. 380, dated 17th December 1889.
		Tallapalem ..	848	..	..	..	848	..	No. 9, dated 20th December 1889.
		Manubolupad ..	1,192	..	..	..	1,192	..	No. 47, dated 21st January 1890.
		Chinnala Annalur.	3,400	..	..	..	3,400	..	No. 141, dated 28th March 1890.
		Kavali	2,000	..	..	..	2,000	..	No. 144, dated 27th March 1890.
		Chamadala.. ..	500	..	..	..	500	..	No. 196, dated 13th May 1890.

District.	Range.	Name of forest.	Area on 1st July 1900. Acres.	Area on 1st July 1900. Equivalent in square miles.	Added during the year. Acres.	Excluded. Acres.	Area on 30th June 1901. Acres.	Area on 30th June 1901. Equivalent in square miles.	Number and date of Notification of addition or exclusion.
		Reserved forests—cont.							
Nellore—*cont.*	Kavali—*cont.*	Tummalapenta, West.	2,280	..	..	..	2,280	..	No. 271, dated 16th June 1890.
		Bitragunta	1,908	..	..	..	1,908	..	No. 272, dated 16th June 1890.
		Narayanapuram ..	2,392	..	..	..	2,392	..	No. 290, dated 30th June 1890.
		Kesavaram	908	..	..	..	908	..	No. 360, dated 7th August 1890.
		Tummalapenta, North.	1,300	..	..	..	1,300	..	No. 546, dated 9th December 1891.
		Kavali Extension ..	800	..	..	..	800	..	No. 353, dated 25th June 1895.
		Budamagunta ..	300	..	..	..	300	..	No. 465, dated 28th August 1895.
		Narayanapuram Extension.	520	..	..	..	520	..	No. 136, dated 19th March 1896.
		Veligundla ..	670	..	..	..	670	..	No. 422, dated 11th August 1896.
		Manubolupad Extension.	450	..	..	..	450	..	No. 167, dated 30th March 1897.
		Bitragunta Extension.	600	..	..	..	600	..	No. 136, dated 19th March 1896.
		Vavveru	2,970	..	..	..	2,970	..	No. 447, dated 3rd October 1890.
		Dagadarti	2,866	..	..	..	2,866	..	No. 483, dated 30th October 1890.
		Kottapalli	4,230	..	..	..	4,230	..	No. 238, dated 6th June 1890.
		Turimerla	620	..	..	..	620	..	No. 320, dated 17th July 1890.
		Dagadarti Extension.	..	..	800	..	800	..	No. 274, dated 1st June 1900.
		Vavveru Extension.	..	..	620	..	620	..	No. 406, dated 6th September 1900.
		Chinna Annalur Extension.	..	..	1,910	..	1,910	..	No. 148, dated 28th May 1890.
		Zakkepalli, Gudur.	800	..	..	..	800	..	No. 202, dated 13th February 1901.
	Coast range.	Dugarajpatam Casuarina plantation.	1,200	..	..	..	1,200	..	No. 258, dated 8th July 1887.
		Tamminapatam Casuarina plantation.	485	..	..	..	485	..	No. 376, dated 2nd December 1889.
		Kottapatam ..	2,000	..	..	..	2,000	..	No. 239, dated 26th May 1892.
		Kothapatam Casuarina plantation	1,420	..	..	..	1,420	..	No. 171, dated 6th April 1893.
		Utukur and Varini Casuarina plantation.	607	..	..	..	607	..	No. 62, dated 28th January 1890.
		Ipur	1,033	..	..	..	1,033	..	No. 330, dated 21st July 1890.
		Momidi	2,500	..	..	..	2,500	..	No. 169, dated 13th April 1891.
		Tamminapatam Casuarina plantation Extensions A and B.	515	..	..	..	515	..	No. 376, dated 2nd December 1889.
	Srihari-kota.	Pandurungam ..	65	..	..	..	65	..	....
		Kadapatra	2,540	..	..	..	2,540	..	....
		Damaraza ..	350	..	..	..	350	..	....
		Sriharikota ..	25,314	..	..	..	25,314	..	No. 483, dated 26th October 1898.
		Venadu	1,120	..	..	..	1,120	..	No. 472, dated 17th September 1896.
	Rapur ..	Kanupur, East ..	960	..	..	..	960	..	No. 258, dated 20th August 1889.
		Vendodu	818	..	..	..	818	..	No. 262, dated 28th August 1889.
		Vodur	883	..	..	..	883	..	No. 339, dated 18th November 1889.
		Gudur	950	..	..	..	950	..	No. 375, dated 2nd December 1889.
		Cherukumudi ..	640	..	..	..	640	..	No. 18, dated 20th December 1889.
		Vallipedu	720	..	..	..	720	..	No. 30, dated 21st January 1890.
		Vindur	300	..	..	..	300	..	No. 64, dated 28th January 1890.

District.	Range.	Name of forest.	Area on 1st July 1900.		Added during the year.	Excluded.	Area on 30th June 1901.		Number and date of Notification of addition or exclusion.
			Acres.	Equivalent in square miles.	Acres.	Acres.	Acres.	Equivalent in square miles.	
			Reserved forests—cont.						
Nellore—*cont.*	Rapur—*cont.*	Kadivedu, North ..	468	..	..	..	468	..	No. 143, dated 27th March 1890.
		Pidatalapudi ..	750	..	..	..	750	..	No. 185, dated 1st May 1890.
		Madamanur ..	560	..	..	..	560	..	No. 231, dated 4th June 1890.
		Kanupur, West ..	1,974	..	..	..	1,974	..	No. 268, dated 20th June 1890.
		Survepalli	2,750	..	..	..	2,750	..	No. 420, dated 19th September 1890.
		Yellasiri	2,518	..	..	..	2,518	..	No. 173, dated 13th April 1891.
		Vedieherla ..	850	..	..	..	850	..	No. 414, dated 16th September 1891.
		Kandamur	1,520	..	..	..	1,520	..	No. 333, dated 18th November 1889.
		Kakutur	480	..	..	..	480	..	No. 335, dated 18th November 1889.
		Dontali	1,280	..	..	..	1,280	..	No. 338, dated 18th November 1889.
		Chemudugunta ..	320	..	..	..	320	..	No. 11, dated 20th December 1889.
		South Mopur ..	1,000	..	..	..	1,000	..	No. 68, dated 6th February 1890.
		Allipuram Casuarina plantation.	125	..	..	..	125	..	No. 332, dated 21st July 1890.
		Amancherla, East..	960	..	..	..	960	..	No. 362, dated 7th August 1890.
		Kondlapudi ..	1,500	..	..	..	1,500	..	No. 532, dated 24th November 1891.
		Nellore	640	..	..	..	640	..	No. 110, dated 23rd February 1893.
		Marupur	3,130	..	..	..	3,130	..	No. 235, dated 4th June 1890.
		Toderu	750	..	..	..	750	..	No. 262, dated 16th June 1890.
		Vadlapudi	2,400	..	..	..	2,400	..	No. 499, dated 11th November 1890.
		Biradavolu ..	2,250	..	..	..	2,250	..	No. 500, dated 11th November 1890.
		Turimerla	640	..	..	..	640	..	No. 363, dated 26th November 1889.
		Pulikollu	740	..	..	..	740	..	No. 122, dated 12th March 1890.
		Utukur	725	..	..	..	725	..	No. 265, dated 16th June 1890.
		Duggunta	1,200	..	..	..	1,200	..	No. 305, dated 8th July 1890.
		Mogallur	800	..	..	..	800	..	No. 318, dated 16th July 1890.
		Aiyagaripalem ..	320	..	..	..	320	..	No. 334, dated 21st July 1890.
		Chikavolu	1,100	..	..	..	1,100	..	No. 336, dated 21st July 1890.
		Nellapalli	2,100	..	..	..	2,100	..	No. 341, dated 21st July 1890.
		Turpu Pundla ..	1,000	..	..	..	1,000	..	No. 342, dated 21st July 1890.
		Vavintaparti ..	1,300	..	..	..	1,300	..	No. 421, dated 19th September 1890.
		Tummala Talapur.	4,000	..	..	..	4,000	..	No. 422, dated 19th September 1890.
		Chaganam	1,500	..	..	..	1,500	..	No. 430, dated 22nd September 1890.
		Griddalur	700	..	..	..	700	..	No. 119, dated 21st March 1891.
		Potukonda	1,860	..	..	..	1,860	..	No. 134, dated 3rd April 1891.
		Kakulakonda ..	1,850	..	..	..	1,850	..	No. 431, dated 21st September 1891.
		Rapur Veligondas..	30,720	..	..	..	30,720	..	No. 466, dated 14th October 1891.
		Nernur	1,190	..	..	..	1,190	..	No. 497, dated 26th October 1891.
		Potegunta	1,500	..	..	..	1,500	..	No. 44, dated 19th January 1892.
		Cherlopalli ..	3,360	..	..	..	3,360	..	No. 57, dated 2nd February 1892.
		Podalakur	2,500	..	..	..	2,500	..	No. 129, dated 23rd March 1892.

District.	Range.	Name of forest.	Area on 1st July 1900.		Added during the year.	Excluded.	Area on 30th June 1901.		Number and date of Notification of addition or exclusion.
			Acres.	Equivalent in square miles.	Acres.	Acres.	Acres.	Equivalent in square miles.	
			Reserved forests—cont.						
Nellore—*cont.*	Rapur—*cont.*	Veminabhi ..	2,250	..	..	..	2,250	..	No. 276, dated 15th June 1892.
		Marlapudi ..	4,550	..	..	..	4,550	..	No. 277, dated 16th June 1892.
		Sydapuram ..	1,630	..	..	..	1,630	..	No. 297, dated 22nd June 1892.
		Rapur Yerrakonda.	23,040	..	..	..	23,040	..	No. 415, dated 17th August 1894.
		Potukonda Extension.	520	..	..	..	520	..	No. 539, dated 12th November 1897.
		Veminabhi Extension.	300	..	..	..	300	..	No. 560, dated 22nd November 1897.
		Rapur Veligonda Extension A.	880	..	..	..	880	..	No. 18, dated 17th December 1897.
		Vadanaparti ..	850	..	..	..	850	..	No. 84, dated 7th February 1898.
		Cherlopalli Extension.	320	..	..	..	320	..	No. 239, dated 23rd May 1898.
		Mogallur Extension B.	550	..	..	..	550	..	No. 240, dated 23rd May 1898.
		Rapur Veligonda Extension C.	2,450	..	..	..	2,450	..	No. 241, dated 20th May 1898.
		Pallakonda ..	300	..	..	..	300	..	No. 245, dated 23rd May 1898.
		Tummalatâlupur Extension.	700	..	..	..	700	..	No. 247, dated 23rd May 1898.
		Rapur Veligonda Extension B.	6,200	..	..	..	6,200	..	No. 263, dated 3rd June 1898.
		Sydapuram Extension A.	450	..	..	..	450	..	No. 264, dated 3rd June 1898.
		Sydapuram Extention B.	450	..	..	..	450	..	No. 264, dated 3rd June 1898.
		Tirumalapad ..	400	..	..	..	400	..	No. 306, dated 23rd June 1898.
		Chipinapi	420	..	..	..	420	..	No. 325, dated 8th July 1898.
		Chaganam Extension.	500	..	..	..	500	..	No. 364, dated 30th July 1898.
		Chintalapalem ..	400	..	..	..	400	..	No. 482, dated 26th October 1898.
		Rapur Veligonda block Extension B.	2,000	..	..	..	2,000	..	No. 484, dated 27th October 1898.
		Telugurayapuram.	763	..	..	..	763	..	No. 294, dated 22nd October 1889.
		Turpukambhampad.	861	..	..	..	861	..	No. 227, dated 4th June 1890.
		Chejerla	1,121	..	..	..	1,121	..	No. 49, dated 21st January 1890.
		Prabhagiripatnam.	2,500	..	..	..	2,500	..	No. 249, dated 9th June 1890.
		Kaluvoyi	..	..	2,350	..	2,350	..	No. 173, dated 7th April 1900.
		Nernur block Extension A.	..	..	880	..	880	..	No. 361, dated 8th August 1900.
		Marlapudi Extensions A and B.	..	..	630	..	630	..	No. 420, dated 15th September 1900.
		Potegunta Extension.	..	..	430	..	430	..	No. 421, dated 15th September 1900.
		South Mopur Extension.	..	..	590	..	590	..	No. 537, dated 1st December 1900.
		Turpukambhampad Extensions A and B.	..	..	1,274	..	1,274	..	No. 540, dated 13th December 1900.
		Badvel	..	..	1,075	..	1,075	..	No. 8, dated 19th December 1900.
		Chittalur	..	..	650	..	650	..	No. 227, dated 4th May 1900.
		Yetur	..	..	2,266	..	2,266	..	No. 195, dated 23rd April 1900.
	Udayagiri.	Srikolanu	1,521	..	..	..	1,521	..	No. 322, dated 5th November 1889.
		Bommavaram ..	3,000	..	..	..	3,000	..	No. 247, dated 9th June 1890.
		Rajavelu Punugodu	1,850	..	..	..	1,850	..	No. 491, dated 6th September 1895.
		Abbasahibpet, Gudipad and Pedda Annalur.	1,527	..	..	..	1,527	..	No. 292, dated 13th June 1896.
		Dubagunta Rajavolu.	2,187	..	..	..	2,187	..	No. 385, dated 3rd August 1896.

District.	Range.	Name of forest.	Area on 1st July 1900. Acres.	Area on 1st July 1900. Equivalent in square miles.	Added during the year. Acres.	Excluded. Acres.	Area on 30th June 1901. Acres.	Area on 30th June 1901. Equivalent in square miles.	Number and date of Notification of addition or exclusion.
		Reserved forests—cont.							
Nellore—*cont.*	Udayagiri —*cont.*	Boyela cheruvalla.	700	..	..	..	700	..	No. 444, dated 28th August 1896.
		Abbasahibpet and Gudipad West.	945	..	..	..	945	..	No. 144, dated 15th March 1897.
		Anantasagaram A.	1,675	..	..	..	1,675	..	No. 191, dated 27th April 1897.
		Do. B.	780	..	..	..	780	..	No. 191, dated 27th April 1897.
		Peramana kondur ..	750	..	..	..	750	..	No 561, dated 22nd November 1897.
		Mahimalur	9,840	..	..	..	9,840	..	No. 489, dated 26th October 1898.
		Gavaravaram ..	6,490	..	..	..	6,490	..	No. 233, dated 20th May 1899.
		Udayagiri, East, and Appasamudram	1,500	..	..	..	1,500	..	No. 174, dated 13th April 1891.
		Udayagiri Durgam.	11,280	..	..	..	11,280	..	No. 440, dated 13th September 1892.
		Do. Yerra-konda.	14,080	..	..	..	14,080	..	No. 425, dated 20th August 1894.
		Udayagiri Veli-gondas.	60,000	..	..	..	60,000	..	No. 251, dated 18th May 1896.
		Duttalur	4,850	..	..	..	4,850	..	No. 286, dated 1st July 1897.
		Yerukollu Gunde-madakala.	3,600	..	..	..	3,600	..	No. 337, dated 15th July 1898.
		Korisakonda A and B.	1,640	..	..	..	1,640	..	No. 465, dated 4th October 1898.
		Gundlakonda ..	720	..	..	..	720	..	No. 538, dated 19th November 1898.
		Nandipad	2,215	..	..	..	2,215	..	No. 419, dated 21st December 1899.
		Udayagiri Yerna-konda Extension.	600	..	..	..	600	..	No. 518, dated 27th November 1899.
		Balayapalle ..	500	..	..	..	500	..	No. 576, dated 18th December 1899.
		Sangam	1,100	..	..	..	1,100	..	No. 45, dated 22nd January 1896.
		Murripad	1,400	..	..	..	1,400	..	No. 269, dated 20th June 1890.
		Total ..	4,26,685	667	19,938	79	4,46,544	698	
		Reserved lands not transferred to reserved forests during the year.							
	Kanigiri ..	Kanuparti Casuarina plantation.	..	..	830	..	83	..	No. 200, dated 4th April 1901.
	Kavali ..	Chinna Annalur A tope	..	..	46	..	46	..	No. 381, dated 22nd Aug. 1900.
		Do. B ,,	..	..	53	..	53	..	
		Do. C ,,	..	..	31	..	31	..	
		Do. D ,,	..	..	69	..	69	..	
		Do. E ,,	..	..	99	..	99	..	
		Do. F ,,	..	..	62	..	62	..	
		Brahmanakraka ,,	..	..	105	..	105	..	
		Timmasamudram,,	..	..	73	..	73	..	
		Vidavalur ,,	..	..	324	..	324	..	
	Coast ..	Kodur	..	..	115	..	115	..	
	Rapur ..	Nallapalem ..	..	..	1900	..	1,900	..	No. 314, dated 27th June 1900.
		Devaravemur A tope.	..	..	63	..	63	..	No. 381, dated 22nd Aug. 1900.
		Do. B ,,	..	..	86	..	86	..	
		Kakivoya .. ,,	..	..	804	..	804	..	
		Survepalle ..	..	..	990	..	990	..	No. 94, dated 16th February 1901.
	Udayagiri.	Srikolanu	..	..	232	..	232	..	No. 381, dated 22nd Aug. 1900.
		Amanicheruvella and Inagalur tope	..	..	683	..	683	..	
	Sriharikota	Irrukkam tope ..	..	..	1,198	..	1,198	..	
		Venadu ,, ..	..	..	1,359	..	1,359	..	
		Area notified in previous years.	36,607	..	..	(*c*) 1,941	34,666	..	
		Total ..	36,607	..	9,122	1,941	43,788	68	
		Grand Total ..	4,63,292	..	29,060	2,020	4,90,332	766	

(*c*) Excluded at settlement.

District.	Range.	Name of forest.	Area on 1st July 1900.		Added during the year.	Excluded.	Area on 30th June 1901.		Number and date of Notification of addition or exclusion.
			Acres.	Equivalent in square miles.	Acres.	Acres.	Acres.	Equivalent in square miles.	
			Reserved forests.						
Chingleput—*cont.*	Tiruvallur.	Kambakkam ..	14,951	..	..	..	14,951	..	No. 49, dated 6th February 1886.
		Do. Extension 1.	318	..	..	..	318	..	No. 378, dated 21st July 1894.
		Do. Extension II.	610	..	..	..	610	..	No. 378, dated 21st July 1894.
		Sathiyavedu ..	6,859	..	..	..	6,859	..	No. 383, dated 2nd November 1886.
		Do. Extension I.	382	..	..	..	382	..	No. 611, dated 9th December 1893.
		Do. Extension II.	300	..	..	..	300	..	No. 407, dated 9th August 1894.
		Do. Extension III.	470	..	..	..	470	..	No. 611, dated 9th December 1893.
		Ambakkam ..	5,259	..	..	..	5,259	..	No. 383, dated 2nd November 1886.
		Do. Extension I.	80	..	..	..	80	..	No. 406, dated 4th August 1894.
		Do. Extension II.	98	..	..	..	98	..	No. 233, dated 16th May 1894.
		Do. Extension III.	289	..	..	..	289	..	No. 406, dated 4th August 1894.
		Do. Extension IV.	235	..	..	..	235	..	No. 103, dated 28th February 1894.
		Aradur	2,680	..	..	..	2,680	..	No. 383, dated 2nd November 1886.
		Do. Extension 1.	288	..	..	..	288	..	No. 50, dated 31st January 1894.
		Do. Extension 2.	90	..	..	..	90	..	
		Kadur	2,494	..	..	..	2,494	..	No. 383, dated 2nd November 1886.
		Do. Extension 1.	90	..	..	..	90	..	No. 60, dated 7th February 1894.
		Do. Extension 2.	160	..	..	..	160	..	
		Ugumudi	2,874	..	..	..	2,874	..	No. 383, dated 2nd November 1886.
		Do. Extension 2.	135	..	..	..	135	..	No. 404, dated 3rd August 1894.
		Ugumudi Extension 3.	180	..	..	..	180	..	
		Ugumudi Extension 4.	176	..	..	..	176	..	
		Allikuli	5,649	..	..	..	5,649	..	No. 153, dated 28th March 1887.
		Allikuli Extension 1.	161	..	..	..	161	..	No. 406, dated 4th August 1894.
		Allikuli Extension 2.	93	..	..	..	93	..	No. 404, dated 3rd August 1894.
		Allikuli Extension 3.	100	..	..	..	100	..	No. 406, dated 4th August 1894.
		Allikuli Extension 4.	70	..	..	..	70	..	
		Allikuli Extension 5.	98	..	..	..	98	..	
		Allikuli Extension 6.	129	..	..	..	129	..	No. 433, dated 30th August 1894.
		Allikuli Extension 7.	250	..	..	..	250	..	No. 406, dated 4th August 1894.
		Nagalapuram ..	8,345	..	..	..	8,345	..	No. 153, dated 28th March 1887.
		Do. Extension 1.	734	..	..	..	734	..	No. 380, dated 19th July 1894.
		Nagalapuram Extension 2.	190	..	..	..	190	..	
		Nagalapuram Extension 3.	122	..	..	..	122	..	
		Nagalapuram Extension 4.	333	..	..	..	333	..	
		Palavakkam ..	2,511	..	..	..	2,511	..	No. 527, dated 24th November 1891.
		Palavakkam Extension 2	280	..	..	..	280	..	No. 416, dated 9th August 1894.
		Palavakkam Extension 3.	109	..	..	..	109	..	
		Palavakkam Extension 4.	84	..	..	..	84	..	
		Palavakkam Extension 5.	101	..	..	..	101	..	
		Palavakkam Extension 6.	109	..	..	..	109	..	
		Pulrambakkam ..	577	..	..	..	577	..	No. 139, dated 18th May 1888.

District.	Range.	Name of forest.	Area on 1st July 1900.		Added during the year.	Excluded.	Area on 30th June 1901.		Number and date of Notification of addition or exclusion.
			Acres.	Equivalent in square miles.	Acres.	Acres.	Acres.	Equivalent in square miles.	
		Reserved forests—cont.							
Chingleput—*cont.*	Tiruvallur—*cont.*	Pulrambakkam Extension 1.	127	..	..	..	127	..	No. 404, dated 3rd August 1894.
		Pulrambakkam Extension 2.	270	..	..	..	270	..	
		Mailapur	930	..	..	..	930	..	No. 484, dated 30th October 1890.
		Mailapur Extension 2.	225	..	..	..	225	..	No. 377, dated 21st July 1894.
		Vembedu	1,075	..	..	..	1,075	..	No. 140, dated 18th May 1888.
		Budur	86	..	..	..	86	..	No. 92, dated 9th February 1893.
		Do. A	85	..	..	..	85	..	No. 620, dated 6th December 1893.
		Do. B	1	..	..	..	1	..	No. 377, dated 17th July 1893.
		Do. Extension 1.	10	..	..	..	10	..	No. 611, dated 9th December 1893.
		Siruvada	388	..	..	..	388	..	No. 179, dated 6th April 1893.
		Nemalur	940	..	..	..	940	..	No. 193, dated 20th Apri 1893.
		Nemalur Extension I.	99	..	..	..	99	..	No. 87, dated 21st February 1894.
		Irukulam ..	775	..	..	..	775	..	No. 178, dated 28th March 1893.
		Irukulam Extension I.	210	..	..	..	210	..	No. 124, dated 6th March 1894.
		Nayappakkam A and D.	1,320	..	..	..	1,320	..	No. 237, dated 2nd May 1893.
		Senjiagaram ..	324	..	..	..	324	..	No. 252, dated 24th May 1894.
		Ugumudi Extension I.	270	..	..	..	270	..	No. 431, dated 9th September 1897.
		Alamadi	1,263	..	..	..	1,263	..	No. 153, dated 28th March 1887.
		Attanthangal ..	268	..	..	..	268	..	No. 109, dated 24th February 1893.
		Erumaivetti-palaiyam.	545	..	..	..	545	..	No. 336, dated 27th June 1893.
		Manali	1,480	..	..	..	1,480	..	No. 502, dated 23rd September 1893.
		Karivithittoo ..	300	..	..	..	300	..	No. 112, dated 24th February 1893.
	Chingleput.	Tirukkalukkundram	697	..	..	..	697	..	No. 267, dated 5th September 1885.
		Tirukkalukkundram Extension I.	945	..	..	..	945	..	No. 123, dated 9th March 1895.
		Oragadam	540	..	..	..	540	..	No. 267, dated 5th September 1885.
		Oragadam Extension I.	240	..	..	..	240	..	No. 93, dated 26th February 1895.
		Oragadam Extension II.	395	..	..	..	395	..	
		Madayathur ..	697	..	..	..	697	..	No. 267, dated 5th September 1835.
		Vallam	1,328	..	..	..	1,328	..	No. 82, dated 13th March 1888.
		Vallam Extension I.	170	..	..	..	170	..	No. 55, dated 22nd January 1895.
		Anjur	1,514	..	..	..	1,514	..	No. 102, dated 10th March 1891.
		Nemmali	633	..	..	..	633	..	No. 147, dated 26th March 1890.
		Nemmali Extension I.	263	..	..	..	263	..	No. 319, dated 23rd June 1896.
		Alappakkam A and B.	486	..	..	..	486	..	No. 150, dated 28th March 1890.
		Tirumani	639	..	..	..	639	..	No. 108, dated 11th March 1891.
		Vandalur	3,207	..	..	..	3,207	..	No. 185, dated 21st May 1886.
		Vandalur Extension II.	79	..	..	..	79	..	No. 587, dated 30th November 1894.
		Vandalur Extension IV.	94	..	..	..	94	..	
		Gudalur	2,744	..	..	..	2,744	..	No. 441, dated 7th September 1892.
		Senkundram ..	1,232	..	..	..	1,232	..	No. 120, dated 21st March 1891.

District.	Range.	Name of forest.	Area on 1st July 1900.		Added during the year.	Excluded.	Area on 30th June 1901.		Number and date of Notification of addition or exclusion.
			Acres.	Equivalent in square miles.	Acres.	Acres.	Acres.	Equivalent in square miles.	
			Reserved forests—cont.						
Chingleput—*cont.*	Chingleput—*cont.*	Appur	1,449	..	..	..	1,449	..	No. 505, dated 20th November 1890.
		Appur Extension II.	160	..	..	..	160	..	No. 535, dated 7th November 1894.
		Appur Extension III.	60	..	..	..	60	..	No. 16, dated 21st December 1894.
		Appur Extension V.	76	..	..	..	76	..	No. 535, dated 7th November 1894.
		Appur Extension VII.	205	..	..	..	205	..	
		Thirutheri ..	272	..	..	..	272	..	No. 337, dated 18th November 1889.
		Thirutheri Extension I.	610	..	..	..	610	..	No. 51, dated 22nd January 1895.
		Thirutheri Extension II.	180	..	..	..	180	..	No. 54, dated 22nd January 1895.
		Paranur	378	..	..	..	378	..	No. 383, dated 9th August 1890.
		Paranur Extension I	170	..	..	..	170	..	No. 350, dated 23rd June 1896.
		Paranur Extension III.	70	..	..	..	70	..	No. 350, dated 23rd June 1896.
		Kattankolathur ..	535	..	..	..	535	..	No. 372, dated 9th August 1890.
		Kavanur	569	..	..	..	569	..	No. 371, dated 9th August 1890.
		Kalavoy	70	..	..	..	70	..	No. 70, dated 6th February 1891.
		Kolathur	1,909	..	..	..	1,909	..	No. 146, dated 26th March 1891.
		Kolathur Extension I.	63	..	..	..	63	..	No. 96, dated 26th February 1895.
		Kolathur Extension II.	5	..	..	..	5	..	
		Kolathur Extension III.	18	..	..	..	18	..	
		Kayar	642	..	..	..	642	..	No. 69, dated 6th February 1891.
		Kayar Extension I.	470	..	..	..	470	..	No. 48, dated 22nd January 1895.
		Taiyur	1,084	..	..	..	1,084	..	No. 246, dated 9th June 1890.
		Mambakkam ..	726	..	..	..	726	..	No. 89, dated 9th February 1893.
		Mambakkam Extension I.	551	..	..	..	551	..	No. 116, dated 1st March 1899.
		Sonallur	1,107	..	..	..	1,107	..	No. 97, dated 28th February 1891.
		Unamanjeri ..	750	..	..	..	750	..	No. 291, dated 30th June 1890.
		Kumili	690	..	..	..	690	..	No. 152, dated 7th April 1891.
		Kumili Extension I.	617	..	..	..	617	..	No. 52, dated 22nd January 1895.
		Kattur	2,960	..	..	..	2,960	..	No. 221, dated 2nd May 1891.
		Alathur	488	..	..	..	488	..	No. 267, dated 20th June 1890.
		Illalur	692	..	..	..	692	..	No. 293, dated 30th June 1890.
		Sirukundram A ..	869	..	..	..	869	..	No. 163, dated 13th April 1891.
		Do. B ..	378	..	..	..	378	..	No. 132, dated 3rd April 1891.
		Hanumanthaputteri	286	..	..	..	286	..	No. 206, dated 21st May 1890.
		Hanumanthaputteri Extension I.	190	..	..	..	190	..	No. 144, dated 20th February 1895.
		Hanumanthaputteri Extension II.	230	..	..	..	230	..	No. 314, dated 23rd June 1896.
		Navalur	308	..	..	..	308	..	No. 23, dated 22nd December 1894.
		Karanai	672	..	..	..	672	..	No. 22, dated 19th December 1894.
		Salur	1,005	..	..	..	1,005	..	No. 458, dated 8th September 1896.
		Kattankolathur Extension I.	180	..	..	..	180	..	No. 383, dated 13th August 1898.
		Anjur Extension I.	172	..	..	..	172	..	No. 490, dated 26th October 1898.

District.	Range.	Name of forest.	Area on 1st July 1900. Acres.	Area on 1st July 1900. Equivalent in square miles.	Added during the year. Acres.	Excluded. Acres.	Area on 30th June 1901. Acres.	Area on 30th June 1901. Equivalent in square miles.	Number and date of Notification of addition or exclusion.
			Reserved forests—cont.						
Chingleput—*cont.*	Chingleput—*cont.*	Sonallur Extension I.	40	..	..	..	40	..	No. 388, dated 18th August 1898.
		Sonallur Extension II.	224	..	..	..	224	..	No. 382, dated 13th August 1898.
		Senkundram Extension I.	362	..	..	..	362	..	No. 567, dated 6th December 1898.
		Kavanur Extension I.	39	..	..	..	39	..	No. 359, dated 30th July 1898.
		Gudalur Extension I.	27	..	..	..	27	..	No. 387, dated 17th August 1898.
		Gudalur Extension II.	95	..	..	..	95	..	No. 400, dated, 29th August 1898.
		Madayathur Extension I.	133	..	..	..	133	..	No. 395, dated 25th August 1898.
		Tirukkalikundrum extension II.	1,100	..	..	..	1,100	..	No. 441, dated 8th September 1897.
		Vallam Extension II.	165	..	..	..	165	..	No. 456, dated 20th September 1897.
		Melmaiyur ..	43	..	..	..	43	..	No. 175, dated 22nd April 1898.
		Tirumani Extension I.	104	..	..	..	104	..	No. 72, dated 2nd February 1898.
		Alathur Extension I.	243	..	..	..	243	..	No. 441, dated 22nd September 1898.
		Sirukundram B Extension I.	94	..	..	..	94	..	No. 513, dated 8th November 1898.
		Kattur Extension I.	165	..	..	..	165	..	No. 209, dated 4th May 1899.
		Kattur Extension III.	144	..	..	..	144	..	No. 493, dated 26th October 1898.
		Illalur Extension II.	187	..	..	..	187	..	No. 440, dated 22nd September 1898.
		Sirukundram Extension I.	180	..	..	..	180	..	No. 539, dated 1st December 1899.
		Madayathur Extension II.	91	..	..	..	91	..	No. 257, dated 6th December 1899.
		Kattugudalur Extension I.	366	..	..	..	366	..	No. 196, dated 22nd April 1899.
		Acharavakkam Extension I.	205	..	..	..	205	..	No. 542, dated 19th November 1898.
		Karunguli	17	..	..	..	17	..	No. 189, dated 22nd April 1899.
		Kavanippakkam ..	677	..	..	..	677	..	No. 162, dated 7th April 1899.
		Edamachi	746	..	..	..	746	..	No. 164, dated 29th March 1899.
		Irumbili	260	..	..	..	260	..	No. 567, dated 23rd November 1894.
		Perunkoli	672	..	..	..	672	..	
		Rajapalaiyam ..	640	..	..	..	640	..	No. 590, dated 28th November 1894.
		Kattugudalur ..	2,055	..	..	..	2,055	..	No. 586, dated 30th November 1894.
		Acharavakkam ..	980	..	..	..	980	..	No. 27, dated 24th December 1895.
		Gudalur A	820	..	..	..	820	..	No. 15, dated 28th November 1895.
		Do. B	380	..	..	..	380	..	No. 465, dated 1st October 1897.
		Kodiyalam ..	1,170	..	..	..	1,170	..	No. 428, dated 8th September 1897.
		Valluvappakkam ..	599	..	..	..	599	..	No. 179, dated 12th April 1899.
		Marudam	..	..	1,305	..	1,305	..	No. 363, dated 8th August 1900.
		Maiyur	..	..	284	..	284	..	No. 169, dated 20th March 1901.
		Tandrai	664	..	..	..	664	..	No. 49, dated 6th February 1886.
		Pulikoradu ..	176	..	..	..	176	..	No. 236, dated 4th June 1890.
		Tambaram	262	..	..	..	262	..	No. 321, dated 21st July 1890.
		Kadapperi	227	..	..	..	227	..	No. 225, dated 3rd June 1890.
		Selaiyur	498	..	..	..	498	..	No. 349, dated 28th July 1890.
		Maduraipakkam ..	351	..	..	..	351	..	No. 7, dated 20th December 1890.
		Nanmangalam ..	328	..	..	..	328	..	No. 509, dated 20th November 1890.

District.	Range.	Name of forest.	Area on 1st July 1900. Acres.	Area on 1st July 1900. Equivalent in square miles.	Added during the year. Acres.	Excluded. Acres.	Area on 30th June 1901. Acres.	Area on 30th June 1901. Equivalent in square miles.	Number and date of Notification of addition or exclusion.
		Reserved forests—cont.							
Chingleput—*cont.*	Chingleput—*cont.*	Erumaiyur	192	..	..	..	192	..	No. 294, dated 30th June 1890.
		Perumbakkam A ..	636	..	..	..	636	..	No. 510, dated 20th November 1890.
		Do. B ..	117	..	..	..	117	..	No. 424, dated 19th September 1890.
		Meyur	534	..	..	..	534	..	No. 423, dated 19th September 1890.
		Kovilpidagai ..	377	..	..	..	377	..	No. 385, dated 1st September 1891.
		Kuttambakkam ..	300	..	..	..	300	..	No. 331, dated 21st July 1890.
		Mittanemalai ..	267	..	..	..	287	..	No. 461, dated 18th October 1890.
		Tirumallaivayal ..	386	..	..	..	386	..	No. 543, dated 6th December 1890.
		Nandambakkam ..	259	..	..	..	259	..	No. 444, dated 3rd October 1900.
		Tirusulam	260	..	..	..	260	..	No. 153, dated 7th April 1891.
		Madambakkam ..	563	..	..	..	563	..	No. 102, dated 27th February 1894.
		Perumbakkam Extension I.	763	..	..	..	763	..	No. 612, dated 16th December 1897.
		Kovilpidagai Extension I.	389	..	..	..	389	..	No. 45, dated 17th January 1898.
		Nanmangalam Extension I.	168	..	..	..	168	..	No. 106, dated 28th February 1898.
		Tirumullaivayal Extension I.	90	..	..	..	90	..	No. 102, dated 25th February 1898.
		Meyyur Extension I.	120	..	..	..	120	..	No. 142, dated 18th March 1898.
		Do. II.	40	..	..	..	40	..	No. 43, dated 17th January 1898.
		Nandambakkam Extension I.	122	..	..	..	122	..	No. 103, dated 21st February 1898.
		Tandrai Extension I.	175	..	..	..	175	..	No. 404, dated 29th August 1898.
		Tirumullaivayal Extension II.	122	..	..	..	122	..	No. 329, dated 8th July 1898.
		Selaiyur Extension I.	172	..	..	..	172	..	No. 193, dated 26th April 1899.
		Madambakkam Extension I.	211	..	..	..	211	..	No. 116, dated 11th March 1899.
		Nanmangalam Extension II.	..	..	199	..	199	..	No. 424, dated 15th September 1900.
		Siruvanjur ..	465	..	..	..	465	..	No. 256, dated 9th June 1890.
		Vattambakkam ..	694	..	..	..	694	..	No. 213, dated 27th April 1891.
		Vadakkuppattu ..	795	..	..	..	795	..	No. 380, dated 9th August 1890.
		Puduppair	375	..	..	..	375	..	No. 149, dated 28th March 1891.
		Mannur	570	..	..	..	570	..	No. 134, dated 24th March 1891.
		Nallur	937	..	..	..	937	..	No. 87, dated 18th February 1891.
		Maganiyam ..	946	..	..	..	946	..	No. 136, dated 24th March 1891.
		Vattambakkam Extension I.	120	..	..	..	120	..	No. 512, dated 8th November 1898.
		Total ..	134,517	210	1,788	..	136,305	213	
		Reserved lands not transferred to reserved forests during the year.							
		Area notified in previous years.	688	..	..	(*a*) 157	531	1	
		Grand Total ..	135,205	..	1,788	157	136,836	214	

(*a*) Excluded at settlement.

District.	Range.	Name of forest.	Area on 1st July 1900. Acres.	Area on 1st July 1900. Equivalent in square miles.	Added during the year. Acres.	Excluded. Acres.	Area on 30th June 1901. Acres.	Area on 30th June 1901. Equivalent in square miles.	Number and date of Notification of addition or exclusion.
		Reserved forests.							
North Arcot.	Chittoor ..	Paradarami ..	13,401	..	..	..	13,401	..	No. 158, dated 28th May 1885.
		Pachigunta ..	1,800	.	..	..	1,800	..	No. 190, dated 1st July 1889.
		Kinatipalli ..	1,417	..	..	..	1,417	..	No. 460, dated 21st October 1890.
		Cheelapalli ..	1,296	..	..	(*a*) 130	1,166	..	No. 263, dated 24th June 1890.
		Santhapet	2,148	..	..	..	2,148	..	No. 292, dated 22nd June 1891.
		Basavapalle A and B.	1,784	..	..	..	1,784	..	Nos. 333 and 334, dated 23rd July 1891.
		Mahimandalam ..	2,528	..	..	..	2,528	..	No. 357, dated 8th August 1891.
		Chittaparai A. B. C. and D.	4,250	..	..	..	4,250	..	No. 119, dated 18th March 1892.
		Virasettipalli A. ..	7,287	..	..	(*a*) 2,653	4,634	..	No. 295, dated 21st June 1892.
		Do. B. ..							No. 301, dated 21st June 1892.
		Airala	15,622	..	..	..	15,622	..	No. 196, dated 10th April 1896.
		Bommasamudram A and B.	1,172	..	..	..	1,172	..	No. 597, dated 13th December 1892.
		Vavilitota	2,495	..	..	..	2,495	..	No. 19, dated 2nd January 1893.
		Tavanampalli ..	1,862	..	..	..	1,862	..	No. 597, dated 13th December 1892.
		Puthalpattu ..	2,442	..	(*a*) 635	..	3,077	..	No. 106, dated 24th February 1893.
		Chittoor	385	..	..	..	385	..	No. 300, dated 6th June 1893.
		Bommasamudram Extension.	1,312	..	..	..	1,312	..	No. 610, dated 14th November 1895.
		Kinatipalli Extension A.	994	..	..	..	994	..	No. 122, dated 20th March 1896.
		Basavapalli Extension.	830	..	(*a*) 11	..	841	..	No. 121, dated 1st April 1896.
		Reddigunta ..	2,479	..	..	(*a*) 1,038	1,441	..	No. 15, dated 4th January 1897.
		Chases Hill ..	1,773	..	(*a*) 919	..	2,692	..	No. 279, dated 2nd June 1896.
		Putramadi or Airala Extension.	2,650	..	..	..	2,650	..	No. 391, dated 1st August 1896.
		Penamur	1,082	..	..	..	1,082	..	No. 462, dated 21st October 1890.
		Parapumalai ..	2,227	..	..	..	2,227	..	No. 242, dated 31st May 1897.
		Penamur Extensions A and B.	3,392	..	..	..	3,392	..	No. 363, dated 29th July 1897.
		Santhapet Extensions A, B and C.	482	..	..	..	482	..	No. 507, dated 25th October 1897.
		Kinatipalli Extension B.	25	..	..	..	25	..	No. 165, dated 7th April 1899.
		Reddigunta tope A and B.	23	..	..	..	23	..	No. 210, dated 27th April 1900.
		Balambattu tope ..	18	..	..	..	18	..	
		Penumur	1,015	..	..	..	1,015	..	No. 462, dated 18th October 1890.
	Chandragiri.	Napier	8,380	..	..	..	8,380	..	No. 158, dated 28th May 1885.
		Mamandur	1,776	..	..	..	1,776	..	
		Chamala	9,600	..	..	..	9,600	..	
		Panappakkam ..	6,400	..	..	..	6,400	..	
		Pudiputtabayalu ..	2,560	..	(*a*) 1,734	..	4,294	..	
		Mamandur Extension.	8,000	..	..	..	8,000	..	No. 481, dated 4th November 1890.
		Tirupati Hill ..	16,000	..	..	..	16,000	..	No. 482, dated 4th November 1890.
		Panappakkam Extension.	9,730	..	..	..	9,730	..	No. 603, dated 6th December 1893.
		Mungilpattu ..	22,700	..	..	..	22,700	..	No. 526, dated 10th October 1893.
		Nagapatla	8,266	..	..	..	8,266	..	No. 512, dated 3rd October 1893.
		Tirupati Hill Extensions A and B.	5,840	..	..	..	5,840	..	No. 317, dated 14th June 1893.
		Chandragiri Hill ..	984	..	..	..	984	..	No. 33, dated 8th January 1895.

(*a*) Rectification of area.

District.	Range.	Name of forest.	Area on 1st July 1900. Acres.	Area on 1st July 1900. Equivalent in square miles.	Added during the year. Acres.	Excluded. Acres.	Area on 30th June 1901. Acres.	Area on 30th June 1901. Equivalent in square miles.	Number and date of Notification of addition or exclusion.
			Reserved forests—cont.						
North Arcot—*cont.*	Chandragiri—*cont.*	Damancherla A and B.	2,417	..	..	(*a*) 50	2,367	..	No. 46, dated 25th January 1895.
		Sanambatla ..	5,000	..	..	..	5,000	..	No. 145, dated 19th March 1895.
		Pakala A and B ..	2,170	..	..	..	2,170	..	No. 345, dated 17th July 1897.
		Chandragiri tope ..	8	..	..	..	8	..	No. 210, dated 27th April 1900.
		Agarala tope ..	13	..	..	..	13	..	
		Musulimadugu ..	5,542	..	..	..	5,542	..	No. 158, dated 28th May 1885.
		Basavareddipalli ..	5,952	..	..	..	5,952	..	No. 275, dated 24th September 1885.
		Peddur	16,526	..	..	..	16,526	..	No. 158, dated 28th May 1885.
		Palmaner Plantation.	2	..	..	..	2	..	
		Nagamangalam Plantation.	20	..	..	..	20	..	
		Piduguvaripalli plantation.	4	..	..	..	4	..	
		Venkatagirikota plantation.	9	..	..	..	9	..	
		Baireddipalli plantation.	4	..	..	..	4	..	
		Charagallu ..	18,285	..	..	..	18,285	..	No 307, dated 1st July 1891.
		Pednaigdrug ..	14,419	..	..	..	14,419	..	No. 524, dated 8th November 1892.
	Palmaner.	Melmayi	1,568	..	..	..	1,568	..	No. 296, dated 7th June 1893.
		Jangalapalle ..	3,034	..	..	..	3,034	..	No. 579, dated 21st November 1896.
		Mordana	11,655	..	..	..	11,655	..	No. 158, dated 28th May 1885.
		Naickaneri ..	6,840	..	..	..	6,840	..	
		Palmaner	6,451	..	..	..	6,451	..	No. 195, dated 27th April 1898.
		Pattikonda ..	5,190	..	..	..	5,190	..	No. 524, dated 14th November 1898.
		Basavareddipalli Extension A.	1,718	..	(*a*) 452	..	2,170	..	No. 519, dated 14th November 1898.
		Basavareddipalli Extension B.	5,758	..	(*a*) 34	..	5,792	..	
		Alapalli	2,029	..	..	..	2,029	..	No. 194, dated 22nd April 1899.
		Musalimadugu Extension.	1,829	..	(*a*) 46	..	1,875	..	No. 337, dated 24th July 1899.
		Muduvaripalli tope.	15	..	..	..	15	..	No. 210, dated 27th April 1900.
		Eucalyptus tope ..	8	..	..	..	8	..	
		Venkatagirikota tope.	2	..	..	..	2	..	
		Virlabunda ..	..	..	2,511	..	2,511	..	No. 267, dated 31st May 1900.
	Gudiyattam.	Mordana	12,159	..	..	..	12,159	..	No. 158, dated 28th May 1885.
		Naickaneri ..	5,154	..	..	..	5,154	..	
		Amburdrug ..	10,139	..	..	..	10,139	..	No. 241, dated 5th December 1884.
		Tiruvallam Plantation.	431	..	..	..	431	..	
		Virinjipuram Plantation.	260	..	..	..	260	..	
		Senuru Plantation.	130	..	..	..	130	..	
		Ammondi Plantation.	160	..	..	..	160	..	
		Tandrayugunta Plantation.	3	..	..	..	3	..	
		Vikramasi ..	129	..	..	..	129	..	No. 144, dated 21st May 1889.
		Naickaneri Extension.	1,568	..	..	..	1,568	..	No. 354, dated 3rd August 1891.
		Pallelakuppam ..	6,822	..	..	..	6,822	..	No. 108, dated 20th February 1893.
		Paradarami Extension.	1,888	..	..	..	1,888	..	No. 139, dated 4th April 1892.
		Synagunta ..	6,400	..	..	..	6,400	..	No. 445, dated 13th September 1892.
		Mordana Extension.	9,094	..	..	..	9,094	..	No. 296, dated 22nd June 1892.
		Panamadangi ..	10,515	..	..	..	10,515	..	No. 91, dated 29th February 1892.
		Gundlapalli ..	7,354	..	..	..	7,354	..	No. 390, dated 22nd July 1893.

(*a*) Rectification of area.

District.	Range.	Name of forest.	Area on 1st July 1900. Acres.	Area on 1st July 1900. Equivalent in square miles.	Added during the year. Acres.	Excluded. Acres.	Area on 30th June 1901. Acres.	Area on 30th June 1901. Equivalent in square miles.	Number and date of Notification of addition or exclusion.
			Reserved forests—cont.						
North Arcot—*cont.*	Gudiyattam—*cont.*	Karappattu ..	8,333	..	..	(*a*) 333	8,000	..	No. 589, dated 2nd December 1893.
		Ranganur ..	1,549	..	..	..	1,549	..	No. 606, dated 14th November 1895.
		Sayanagunta Extension A and B.	4,395	..	..	..	4,395	..	No. 315, dated 24th June 1896.
		Gundlapalli Extension.	928	..	..	..	928	..	No. 42, dated 13th January 1897.
		Bomminaickanpalaiyam.	912	..	..	..	912	..	No. 335, dated 3rd July 1896.
		Kempasamudram A and B.	1,414	..	..	..	1,414	..	No. 429, dated 4th September 1897.
		Kallapadi	6,945	..	..	..	6,945	..	No. 522, dated 20th November 1899.
		Senuru tope ..	11	..	..	..	11	..	No. 210, dated 27th April 1900.
		Pichanur tope ..	31	..	..	..	31	..	No. 139, dated 23rd March 1900.
		Morasapalli tope ..	15	..	..	..	15	..	No. 210, dated 27th April 1900.
		Pallelaknppam Extensions A and B.	..	..	5,883	..	5,883	..	No. 215, dated 4th April 1901.
	Vellore ..	Ambur fuel reserve.	5,453	..	..	..	5,453	..	No. 241, dated 5th December 1884.
		Palamadi	8,160	..	..	..	8,160	..	No. 96, dated 23rd March 1885.
		Ambur plantation.	6	..	..	..	6	..	No. 241, dated 5th December 1884.
		Athiyur	4,800	..	..	..	4,800	..	No. 238, dated 16th May 1892.
		Vellakallu ..	5,037	..	..	..	5,037	..	No. 503, dated 23rd September 1893.
		Ambur	27,878	..	..	..	27,878	..	No. 251, dated 5th May 1893.
		Vellore	2,413	..	..	..	2,413	..	No. 565, dated 12th November 1894.
		Pallikonda ..	3,898	..	..	..	3,898	..	No. 352, dated 10th July 1894.
		Nellimalai ..	2,797	..	..	..	2,797	..	No. 268, dated 1st June 1894.
		Paravamalai ..	7,078	..	..	..	7,078	..	No. 517, dated 26th October 1894.
		Kylasagiri hill ..	2,534	..	..	..	2,534	..	No. 327, dated 28th June 1894.
		Kaniambadi ..	5,472	..	..	..	5,472	..	No. 325, dated 8th June 1895.
		Appukallu or Arasampattu Extension.	800	..	..	..	800	..	No. 442, dated 20th August 1895.
		Karuthamalai ..	20,486	..	..	..	20,486	..	No. 535, dated 22nd October 1895.
		Arasampattu ..	17,890	..	..	..	17,890	..	No. 366, dated 14th July 1893.
		Tellai	1,330	..	..	..	1,330	..	No. 178, dated 29th June 1888.
		Sanankuppam ..	13,843	..	..	..	13,843	..	No. 212, dated 29th April 1898.
		Vallam tope ..	4	..	..	..	4	..	No. 210, dated 27th April 1900.
		Tellur tope ..	105	..	..	..	105	..	No. 141, dated 23rd March 1900.
		Allipuram tope ..	9	..	..	..	9	..	No. 210, dated 27th April 1900.
		Agaramcheri tope ..	104	..	..	..	104	..	No. 141, dated 23rd March 1900.
		Neluvoy tope ..	122	..	..	..	122	..	No. 210, dated 27th April 1900.
		Periyankuppam tope.	44	..	..	..	44	..	
		Ammundi tope ..	8	..	..	..	8	..	
	Polur ..	Arasampattu ..	12,824	..	..	..	12,824	..	No. 366, dated 14th July 1893.
		Tellai	14,862	..	..	..	14,862	..	No. 178, dated 29th June 1888.
		Karnaticghur ..	7,270	..	..	..	7,270	..	No. 241, dated 5th December 1884.
		Ammerdi Plantation.	25	..	..	..	25	..	
		Pattadaikad ..	25,254	..	..	..	25,254	..	No. 181, dated 29th June 1888.
		Puthur	18,458	..	..	..	18,458	..	No. 179, dated 29th June 1888.
		Virappanur ..	31,469	..	..	..	31,469	..	No. 180, dated 29th June 1888.

(*a*) Rectification of area.

District.	Range.	Name of forest.	Area on 1st July 1900. Acres.	Area on 1st July 1900. Equivalent in square miles.	Added during the year. Acres.	Excluded. Acres.	Area on 30th June 1901. Acres.	Area on 30th June 1901. Equivalent in square miles.	Number and date of Notification of addition or exclusion.
		Reserved forests—cont.							
North Arcot—*cont.*	Polur—*cont.*	Kappalur	1,504	..	..	..	1,504	..	No. 125, dated 21st March 1891.
		Kelur	2,989	..	..	..	2,989	..	No. 288, dated 22nd June 1891.
		Malayalam	28,614	..	..	..	28,614	..	No. 353, dated 6th August 1891.
		Alliyalamangalam ..	10,027	..	..	..	10,027	..	No. 310, dated 22nd June 1892.
		Santhavasal ..	9,670	..	..	..	9,670	..	No. 302, dated 5th June 1893.
		Periyamalai ..	6,970	..	..	..	6,970	..	No. 513, dated 6th October 1893.
		Santhavasal extension A.B.	331	..	..	..	331	..	No. 128, dated 6th March 1894.
		Vellimalai	2,003	..	..	..	2,003	..	No. 155, dated 28th March 1895.
		Mulakkadu ..	15,744	..	..	..	15,744	..	No. 72, dated 15th February 1894.
		Paruvadamalai ..	5,779	..	..	..	5,779	..	No. 90, dated 22nd February 1894.
		Tuluvapushpagiri tope.	5	..	..	..	5	..	No. 210, dated 27th April 1900.
		Elathur tope ..	11	..	..	..	11	..	No 143, dated 23rd March 1900.
		Kunnathur tope ..	19	..	..	..	19	..	No. 210, dated 27th April 1900.
		Vemmani ,, ..	7	..	..	..	7	..	
		Periyagaram ,, ..	2	..	..	..	2	..	
		Karappattu ,, ..	11	..	..	..	11	..	
		Tachambadi ,, ..	..	..	6	..	6	..	No. 221, dated 11th May 1900.
	Arcot ..	Punganur	13,498	..	..	..	13,498	..	No. 96, dated 23rd March 1885.
		Kilmunnel plantation.	150	..	..	..	150	..	No. 241, dated 5th December 1884.
		Sennaleri	1,675	..	..	..	1,675	..	No. 196, dated 6th July 1889.
		Sathur	750	..	..	..	750	..	No. 273, dated 17th June 1891.
		Tandappanthangal.	1,099	..	..	..	1,099	..	No. 258, dated 11th June 1891.
		Enadivadi	1,565	..	..	..	1,565	..	No. 100, dated 11th March 1891.
		Solavaram	1,143	..	(*a*) 41	..	1,184	..	No. 118, dated 27th February 1892.
		Tandappanthangal Extension A.	310	..	..	..	310	..	No. 606, dated 6th December 1897.
		Solavaram Extension	874	..	(*a*) 11	..	885	..	No. 378, dated 13th August 1898.
		Tamarapakkam tope	5	..	..	..	5	..	No 210, dated 27th April 1900.
		Velappakkam ,,	4	..	..	..	4	..	
		Randam ,,	13	..	..	..	13	..	
		Moranum ,,	19	..	..	..	19	..	
		Sirangathur ,,	20	..	..	..	20	..	
		Vannivedu plantation.	39	..	..	..	39	..	No. 158, dated 28th May 1885.
		Arkónam plantation.	37	..	(*a*) 21	..	58	..	
		Gundalur	535	..	..	..	535	..	No. 42, dated 11th February 1890.
		Ananthapuram or Uriyur.	540	..	..	..	540	..	No. 43, dated 11th February 1890.
		Ammanur	203	..	..	..	203	..	No. 44, dated 11th February 1890.
	Wallajah.	Banavaram ..	1,021	..	..	..	1,021	..	No. 56, dated 27th February 1891.
		Ammur	5,139	..	..	..	5,139	..	No. 311, dated 22nd June 1892.
		Anantalai tope ..	25	..	..	..	25	..	No. 210, dated 27th April 1900.
		Vanianchatram tope.	3	..	..	..	3	..	
		Ponnai anicut ..	..	..	16	..	16	..	No. 476, dated 25th October 1900.
		Kolathur	1,729	..	..	..	1,729	..	No. 89, dated 5th March 1892.
	Wandiwash.	Bramanakatteri ..	635	..	..	(*a*) 74	561	..	No. 222, dated 26th July 1888.
		Kodiyalam ..	124	..	(*a*) 119	..	243	..	No. 323, dated 17th July 1891.
		Badur A and B ..	835	..	..	..	835	..	No. 195, dated 16th April 1891.

(*a*) Rectification of area.

District.	Range.	Name of forest.	Area on 1st July 1900. Acres.	Area on 1st July 1900. Equivalent in square miles.	Added during the year. Acres.	Excluded. Acres.	Area on 30th June 1901. Acres.	Area on 30th June 1901. Equivalent in square miles.	Number and date of Notification of addition or exclusion.
		Reserved forests—cont.							
North Arcot—*cont.*	Wandiwash—*cont.*	Vengunam ..	1,288	..	..	..	1,288	..	No. 194, dated 16th April 1891.
		Nambedu	707	..	(*a*) 240	..	947	..	No. 393, dated 27th April 1891.
		Vishamangalam ..	1,148	..	..	..	1,148	..	No. 210, dated 27th April 1891.
		Ponnur	1,656	..	..	..	1,656	..	No. 327, dated 22nd June 1892.
		Nedungal	2,298	..	..	..	2,298	..	No. 196, dated 10th April 1896.
		Nedungunam ..	1,697	..	..	..	1,697	..	No. 78, dated 23rd February 1892.
		Nambedu Extensions A, B and C.	327	..	(*a*) 70	..	397	..	No. 16, dated 17th December 1897.
		Nedungunam tope.	2	..	..	..	2	..	No. 210, dated 27th April 1900.
		Kolipuliyur tope ..	19	..	..	..	19	..	
		Kodiyalam tope ..	10	..	..	..	10	..	
		Tenankur tope ..	16	..	..	..	16	..	
		Tandalam A, B, C and D tope.	16	..	..	..	16	..	
		Erumaivettu tope..	18	..	..	..	18	..	
		Echoor tope ..	16	..	..	..	16	..	
		(Mel) Nemmili tope.	4	..	..	..	4	..	
		Wandiwash ..	14	..	..	..	14	..	
		Vallam tope ..	..	..	16	..	16	..	No. 502, dated 5th November 1900.
		Total ..	756,979	1,183	12,765	4,278	765,466	1,196	
		Reserved lands not transferred to reserved forests during the year.							
	Chandragiri.	Napier Extension ..	..	..	26	..	26	..	No. 508, dated 22nd November 1900.
		Area notified in previous years.	24,443	..	(*a*) 1,068	(*c*) 1,377	24,134	..	
		Total ..	24,443	..	1,094	1,377	24,163	38	
		Grand Total ..	781,422	..	13,859	5,655	789,626	1,234	
		Reserved forests.							
South Arcot.	Tiruvannámalai.	Annamalai ..	2,640	..	..	..	2,640	..	No. 151, dated 13th May 1885.
		Chinnasamudram ..	2,842	..	..	..	2,842	..	No. 284, dated 6th August 1887.
		Mudanai	7,046	..	..	..	7,046	..	No. 285, dated 6th August 1887.
		Swamimalai ..	9,312	..	..	..	9,312	..	No. 286, dated 6th August 1887.
		Anandavadi ..	8,269	..	..	..	8,269	..	No. 196, dated 6th July 1888.
		Kanuthimalai ..	7,085	..	..	..	7,085	..	No. 195, dated 6th July 1888.
		Tippakkadu ..	4,583	..	..	..	4,583	..	No. 199, dated 6th July 1888.
		Tenmalai	31,706	..	..	..	31,706	..	No. 323, dated 12th July 1892.
		Pelamarudur ..	5,075	..	..	..	5,075	..	
		Nallappattu ..	5,094	..	..	..	5,094	..	No. 324, dated 12th July 1892.
		Paramanandal ..	1,517	..	..	..	1,517	..	No. 194, dated 20th April 1893.
		Radapuram ..	6,310	..	..	..	6,310	..	No. 497, dated 10th October 1894.
		Vattampalli ..	7,270	..	..	..	7,270	..	No. 532, dated 7th November 1894.
		Melchengam ..	1,542	..	..	..	1,542	..	No. 544, dated 12th November 1894.
		Sinniyampettai ..	3,659	..	..	..	3,659	..	No. 129, dated 12th March 1895.
		Kannamadai ..	4,256	..	..	..	4,256	..	No. 264, dated 15th May 1895.
		Valasamalai ..	12,369	..	..	..	12,369	..	No. 384, dated 18th May 1895.
		Pumalai	3,115	..	..	..	3,115	..	No. 410, dated 20th July 1895.

(*a*) Rectification of area.

District.	Range.	Name of forest.	Area on 1st July 1900.		Added during the year.	Excluded.	Area on 30th June 1901.		Number and date of Notification of addition or exclusion.
			Acres.	Equivalent in square miles.	Acres.	Acres.	Acres.	Equivalent in square miles.	
			Reserved forests—cont.						
South Arcot—*cont.*	Tiruvannamalai—*cont.*	Ravandavadi ..	13,215	..	..	..	13,215	..	No. 66, dated 6th February 1896.
		Thachampattu ..	2,067	..	..	..	2,067	..	No. 53, dated 28th January 1896.
		Rayandapuram ..	4,280	..	..	..	4,280	..	No. 351, dated 14th July 1896.
		Eraiyur malai ..	5,371	..	..	..	5,371	..	No. 78, dated 8th February 1897.
		Ponniyur	48,120	..	..	..	48,120	..	No. 219, dated 18th May 1897.
		Uchimalai	1,654	..	..	..	1,654	..	No. 512, dated 23rd October 1897.
		Munnurumangalam.	2,450	..	..	..	2,450	..	No. 474, dated 27th September 1897.
		Sorakolathur ..	5,436	..	..	..	5,436	..	No. 509, dated 4th November 1898.
		Pinjur	..	..	4,860	..	4,860	..	No. 529, dated 23rd November 1900.
		Siruvadi	4,608	..	..	..	4,608	..	No. 378, dated 2nd August 1897.
		Muttakkadu ..	4,053	..	..	..	4,053	..	No. 380, dated 2nd August 1897.
		Karai	1,697	..	..	..	1,697	..	No. 379, dated 2nd August 1897.
		Agaram	600	..	..	..	600	..	No. 373, dated 2nd August 1897.
		Merkanam ..	80	..	..	..	80	..	No. 376, dated 2nd August 1897.
		Kurumpuram 2nd bit.	192	..	..	..	192	..	No. 381, dated 2nd August 1897.
		Kumilampattu ..	1,201	..	..	..	1,201	..	No. 377, dated 2nd August 1897.
		Senur	1,200	..	..	..	1,200	..	No. 382, dated 2nd August 1897.
		Peradikupam ..	729	..	..	..	729	..	No. 348, dated 5th August 1890.
		Akkur	1,350	..	..	..	1,350	..	No. 347, dated 5th August 1890.
		Salavadi	64	..	..	..	64	..	No. 383, dated 2nd August 1897.
		Jakkampettai ..	300	..	..	..	300	..	No 374, dated 2nd August 1897.
		Akshikadu ..	450	..	..	..	450	..	No. 375, dated 2nd August 1897.
		Kurumpuram 1st bit.	500	..	..	..	500	..	No. 107, dated 11th March 1892.
	Tindivanam.	Melsevur 1st bit ..	691	..	..	..	691	..	No. 310, dated 27th May 1895.
		Padipallam ..	3,601	..	..	..	3,601	..	No. 13, dated 22nd December 1896.
		Pakkamalai ..	14,630	..	..	..	14,630	..	No. 109, dated 6th March 1897.
		Annamangalam ..	743	..	..	..	743	..	No. 370, dated 6th August 1897.
		Gangavaram ..	13,276	..	..	..	13,276	..	No. 349, dated 11th October 1887.
		Nabob's tope ..	65	..	..	..	65	..	No. 334, dated 18th November 1889.
		Narasinganur ..	428	..	..	..	428	..	No. 386, dated 9th August 1890.
		Kundalapuliyur ..	940	..	..	..	940	..	No. 79, dated 3rd March 1891.
		Adanur	1,491	..	..	..	1,491	..	No. 21, dated 20th December 1889.
		Ariyalur	1,036	..	..	..	1,036	..	No. 281, dated 1st July 1890.
		Melakondai ..	480	..	..	..	480	..	No. 250, dated 29th May 1891.
		Thurinjikadu ..	853	..	..	..	853	..	No. 461, dated 17th October 1891.
		Panampattu ..	600	..	..	..	600	..	No. 205, dated 11th May 1892.
		Kappiyampuliyur.	660	..	..	..	660	..	No 331, dated 13th August 1892.
		Poolanjimalai ..	600	..	..	..	600	..	No. 589, dated 12th December 1892.
		Thandavasamudram.	787	..	..	..	787	..	No. 547, dated 1st October 1896

District.	Range.	Name of forest.	Area on 1st July 1900.		Added during the year.	Excluded.	Area on 30th June 1901.		Number and date of Notification of addition or exclusion.
			Acres.	Equivalent in square miles.	Acres.	Acres.	Acres.	Equivalent in square miles.	
		Reserved forests—cont.							
South Arcot —*cont.*	Cuddalore.	Vellakarai ..	1,670	..	..	..	1,670	..	No. 322, dated 22nd July 1890.
		Valudalampattu ..	916	..	..	..	916	..	No. 376, dated 19th August 1890.
		Marungur ..	260	..	..	..	260	..	No. 164, dated 10th June 1889.
		Vegakollai ..	639	..	..	..	639	..	No. 257, dated 24th June 1890.
		Vadakuthu ..	3,016	..	..	..	3,016	..	No. 72, dated 11th February 1891.
		Veludaiyampattu.	1,557	..	..	..	1,557	..	No. 72, dated 24th February 1891.
		Kanigiruppu 1st bit.	2,956	..	..	..	2,956	..	No. 389, dated 26th August 1890.
		Velankuppam ..	1,118	..	..	..	1,118	..	No. 333, dated 29th July 1890.
		Shenankuppam ..	140	..	..	..	140	..	No. 436, dated 30th September 1890.
		Fort St. David ..	44	..	..	..	44	..	No. 188, dated 16th April 1891.
		Talankada	217	..	..	..	217	..	No. 207, dated 27th April 1891.
		Silambanadam-pattu.	681	..	..	..	681	..	No. 261, dated 11th June 1891.
		Nochikadu ..	640	..	..	..	640	..	No. 270, dated 17th June 1891.
		Peramattur ..	1,181	..	..	..	1,181	..	No. 272, dated 17th June 1891.
		Kanigiruppu 2nd bit.	2,519	..	..	..	2,519	..	No. 476, dated 14th October 1891.
		Ramapuram ..	1,730	..	..	..	1,730	..	No. 346, dated 1st August 1892.
		Dhoni Dhorai, South.	91	..	..	..	91	..	No. 516, dated 8th November 1892.
		Dhoni Dhorai, North.	42	..	..	..	42	..	No. 365, dated 5th July 1895.
		Periyakuppam ..	1,580	..	..	..	1,580	..	No. 625, dated 27th November 1895.
		Killai	1,160	..	..	..	1,160	..	No. 447, dated 13th September 1892.
		Periyapattu ..	1,130	..	..	..	1,130	..	No. 475, dated 5th October 1892.
		Wallajah	2,770	..	..	..	2,770	..	No. 580, dated 28th November 1892.
		Pichavaram ..	2,489	..	..	..	2,489	..	No. 32, dated 16th January 1893.
		Adivarahanallur ..	610	..	..	..	610	..	No. 379, dated 14th July 1895.
		Melakundalapadi eastern bit.	6	..	..	..	6	..	No. 443, dated 16th September 1897.
		Melakundalapadi western bit.	3	..	..	..	3	..	No. 440, dated 6th September 1897.
		Melakundalapadi central bit.	7	..	..	..	7	..	
		Pichavaram Extension.	228	..	..	..	228	..	No. 455, dated 17th July 1897.
		Kuppanatham ..	758	..	..	..	758	..	No. 431, dated 7th September 1892.
		Narasingamangalam.	832	..	..	..	832	..	No. 435, dated 7th September 1892.
		Parur	2,660	..	..	..	2,660	..	No. 563, dated 28th November 1892.
		Ammeri	850	..	..	..	850	..	No. 207, dated 21st April 1893.
		Karmangudi ..	1,100	..	..	..	1,100	..	No. 221, dated 27th April 1893.
		Kattiyanallur ..	732	..	..	..	732	..	No. 351, dated 10th July 1894.
		Semakottai ..	5,770	..	..	..	5,770	..	No. 389, dated 31st July 1894.
		Semakottai Extension.	174	..	..	..	174	..	No. 484, dated 5th September 1895.
		Parur Extension ..	334	..	..	..	334	..	No. 609, dated 15th November 1895.
		Narimanum ..	900	..	..	..	900	..	No. 622, dated 27th November 1895.
		Velangulam ..	1,163	..	..	..	1,163	..	No. 143, dated 19th March 1896.
		Kammapuram ..	1,377	..	..	..	1,377	..	No. 43, dated 13th January 1897.

District.	Range.	Name of forest.	Area on 1st July 1900. Acres.	Area on 1st July 1900. Equivalent in square miles.	Added during the year. Acres.	Excluded. Acres.	Area on 30th June 1901. Acres.	Area on 30th June 1901. Equivalent in square miles.	Number and date of Notification of addition or exclusion.
		Reserved forests—cont.							
South Arcot—*cont.*	Tirukkóyilúr.	Velur	1,670	..	..	..	1,670	..	No. 324. dated 14th July 1891.
		Kuthadi	1,700	..	..	..	1,700	..	No. 402, dated 12th September 1891.
		Pandur	955	..	..	..	955	..	No. 106, dated 11th March 1892.
		Adukkam	2,000	..	..	..	2,000	..	No. 131, dated 21st March 1892.
		Nathamur 2nd bit.	3,800	..	..	..	3,800	..	No. 133, dated 22nd March 1892.
		Do. 1st bit.	4,500	..	..	..	4,500	..	No. 140, dated 8th April 1892.
		Swamimalai 2nd bit	5,330	..	..	..	5,330	..	No. 185, dated 6th May 1892.
		Edakkal	3,390	..	..	..	3,390	..	No. 211, dated 10th May 1892.
		Sirupakkam ..	1,080	..	..	..	1,080	..	No. 256, dated 10th June 1892.
		Sidevi	2,800	..	..	..	2,800	..	No. 534, dated 16th December 1892.
		Nayanur	1,639	..	..	..	1,639	..	No. 561, dated 25th November 1892.
		Athipakkam ..	4,500	..	..	..	4,500	..	No. 11, dated 13th December 1892.
		Alwarmalai ..	8,800	..	..	..	8,800	..	No. 120, dated 27th February 1893.
		Valandai	645	..	..	..	645	..	No. 356, dated 22nd June 1895.
		Kallamedu	1,030	..	..	..	1,030	..	No. 411, dated 24th July 1895.
		Oddampattu ..	226	..	..	..	226	..	No. 534, dated 29th September 1895.
		Singamedu ..	580	..	..	..	580	..	No. 22, dated 19th December 1895.
		Solavandipuram ..	763	..	..	..	763	..	No. 47, dated 9th December 1895.
		Swamimalai 1st bit.	1,744	..	..	..	1,744	..	No. 239, dated 15th May 1896.
		Kunjaram	1,200	..	..	..	1,200	..	No. 192, dated 29th April 1897.
	Kallakurchi.	Kanai	2,220	..	..	..	2,220	..	No. 260, dated 10th June 1892.
		Kottalamalai ..	2,880	..	..	..	2,880	..	No. 293, dated 22nd June 1892.
		Mallapuram ..	1,025	..	..	..	1,025	..	No. 263, dated 10th June 1892.
		Rangappanur ..	2,200	..	..	..	2,200	..	No. 444, dated 12th September 1892.
		Kanankadu ..	3,390	..	..	..	3,390	..	No. 231, dated 1st May 1893.
		Pavunjipattu ..	4,100	..	..	..	4,100	..	No. 257, dated 18th May 1894.
		Porasakurchi ..	910	..	..	..	910	..	No. 444, dated 1st September 1894.
		Lachiyam	670	..	..	..	670	..	No. 201, dated 20th April 1895.
		Sittalur	870	..	..	..	870	..	No. 328, dated 7th June 1895.
		Indali	1,133	..	..	..	1,133	..	No. 443, dated 13th August 1895.
		Puttai	999	..	..	..	999	..	No. 444, dated 13th August 1895.
		Varanjaram ..	885	..	..	..	885	..	No. 567, dated 23rd October 1895.
		Alattur	992	..	..	..	992	..	No. 607, dated 14th November 1895.
		Magarur	1,222	..	..	..	1,222	..	No. 20, dated 19th December 1895.
		Parikam	615	..	..	..	615	..	No. 83, dated 18th February 1896.
		Sittal	1,429	..	..	..	1,429	..	No. 113, dated 4th March 1896.
		Kuthakudi	1,285	..	..	..	1,285	..	No. 141, dated 20th March 1896
		Takarai	14,338	..	..	..	14,338	..	No. 337, dated 3rd July 1896.
		Kaduvanur ..	3,913	..	..	..	3,913	..	No. 75, dated 15th February 1897.
		Rishivandiyam ..	3,610	..	..	..	3,610	..	No. 86, dated 16th February 1897.

District.	Range.	Name of forest.	Area on 1st July 1900. Acres.	Area on 1st July 1900. Equivalent in square miles.	Added during the year. Acres.	Excluded. Acres.	Area on 30th June 1901. Acres.	Area on 30th June 1901. Equivalent in square miles.	Number and date of Notification of addition or exclusion.
			Reserved forests—cont.						
South Arcot —*cont.*	Kallakurchi—*cont.*	Settiyanda ..	646	..	..	..	646	..	No. 251, dated 26th May 1897.
		Odayanachi ..	663	..	..	..	663	..	No. 276, dated 17th June 1897.
		Pusappadi	1,601	..	..	..	1,601	..	No. 277, dated 14th June 1897.
		Tottapadi	1,442	..	..	..	1,442	..	No. 372, dated 4th August 1897.
		Thachur	1,130	..	..	..	1,130	..	No. 403, dated 17th August 1897.
		Ravuthanallur ..	1,086	..	..	..	1,086	..	No. 513, dated 27th October 1897.
		Melpalankur ..	2,981	..	..	..	2,981	..	No. 516, dated 26th October 1897.
		Aviriyur	2,953	..	..	..	2,953	..	No. 485, dated 12th October 1897.
		Sankarapuram tope, south.	..	..	9	..	9	..	No. 247, dated 21st March 1901.
		Sankarapuram tope, north.	..	..	31	..	31	..	
		Puttai tope.. ..	..	..	11	..	11	..	
		Nangur	1,710	..	..	..	1,710	..	No. 455, dated 23rd September 1892.
		Kattumayilur ..	1,587	..	..	..	1,587	..	No. 460, dated 23rd September 1892.
		Kottanur	3,880	..	..	..	3,880	..	No. 596, dated 12th December 1892.
		Veppur	3,800	..	..	..	3,800	..	No. 104, dated 13th February 1892.
		Krishnapuram ..	5,910	..	..	..	5,910	..	No. 196, dated 20th April 1893.
		Periyanisalur ..	700	..	..	..	700	..	No. 383, dated 29th June 1894.
		Inadugudi	634	..	..	..	634	..	No. 49, dated 22nd January 1895.
		Kattumayilur Extension.	459	..	..	..	459	..	No. 423, dated 14th September 1898.
		Total ..	438,458	685	4,911	..	443,369	693	
			Reserved lands not transferred to reserved forests during the year.						
		Area notified in previous years.	10,599	..	..	(*c*) 2,740	7,859	12	
		Grand Total ..	449,057	..	4,911	2,740	451,228	705	
			Reserved forests.						
Salem ..	Salem taluk.	Bothamalai ..	5,640	..	..	..	5,640	..	No. 426, dated 13th November 1886.
		Pilappadi	5,441	..	..	..	5,441	..	No. 373, dated 14th August 1891.
		Atúr Ghat	3,128	..	..	..	3,128	..	No. 490, dated 7th September 1895.
		Mallapuram Ghat..	1,952	..	..	..	1,952	..	No. 364, dated 12th August 1890.
		Narthenchedu ..	2,598	..	..	..	2,598	..	No. 244, dated 1st July 1887.
		Vaniyar	5,139	..	..	..	5,139	..	No. 279, dated 22nd July 1887.
		Kuttar	5,389	..	..	..	5,389	..	No. 66, dated 24th January 1887.
		Manjavadi Ghat ..	9,491	..	..	..	9,491	..	No. 251, dated 1st July 1887.
		Mallapuram Ghat Extension.	928	..	..	..	928	..	No. 367, dated 12th August 1890.
		Ajjampatti ..	1,683	..	..	..	1,683	..	No. 278, dated 22nd July 1887.
		Narthenchedu Extension.	973	..	..	..	973	..	No. 84, dated 8th February 1887.
		Yerimalai	4,141	..	..	..	4,141	..	No. 78, dated 8th February 1887.
		Kanavoipudur ..	3,181	..	..	..	3,181	..	No. 358, dated 25th October 1887.

(*c*) Excluded at settlement.

District.	Range.	Name of forest.	Area on 1st July 1900. Acres.	Area on 1st July 1900. Equivalent in square miles.	Added during the year. Acres.	Excluded. Acres.	Area on 30th June 1901. Acres.	Area on 30th June 1901. Equivalent in square miles.	Number and date of Notification of addition or exclusion.
		Reserved forests—cont.							
Salem—*cont.*	Salem taluk—*cont.*	Lokur	8,644	..	..	(*a*) 3,494	5,150	..	No. 358, dated 25th October 1887.
		Pelapallikombai (new).	2,035	..	..	..	2,035	..	No. 82, dated 8th February 1887.
		Atúr ghât Extension.	493	..	..	..	493	..	No. 81, dated 8th February 1887.
		Kanjeri (new) ..	3,490	..	..	..	3,490	..	No. 479, dated 7th September 1895.
		Pannikaradu (new).	6,611	..	..	..	6,611	..	No. 358, dated 25th October 1887.
		Mallapuram ..	589	..	..	..	589	..	
		Karuvattuparai ..	1,446	..	..	..	1,446	..	No. 80, dated 8th February 1887.
		Gundakkal ..	2,912	..	..	..	2,912	..	No. 229, dated 30th July 1898.
		Vanavasi	8,169	..	..	..	8,169	..	No. 186, dated 16th April 1891.
		Manakondamalai ..	5,353	..	..	..	5,353	..	No. 233, dated 30th July 1889.
		Puliankadai ..	525	..	..	..	525	..	No. 71, dated 24th February 1891.
		Mattikottai ..	3,682	..	..	..	3,682	..	No. 201, dated 20th May 1890.
		Pungamaduvu ..	2,408	..	..	..	2,408	..	No. 195, dated 20th May 1890.
		Godamalai ..	5,512	..	..	..	5,512	..	No. 206, dated 15th July 1889.
		Jalluthu	10,110	..	..	..	10,110	..	No. 232, dated 30th July 1889.
		Kanjamalai ..	4,369	..	..	..	4,369	..	No. 507, dated 25th November 1890.
		Maryland	383	..	..	..	383	..	No. 264, dated 24th June 1890.
		Ramaswamimalai ..	2,505	..	..	..	2,505	..	No. 404, dated 18th August 1892.
		Arasankadai ..	1,658	..	..	..	1,658	..	No. 92, dated 29th February 1892.
		Kapputhu	4,408	..	..	..	4,408	..	No. 510, dated 2nd November 1892.
		Puduppatti ..	7,001	..	..	..	7,001	..	No. 90, dated 5th March 1892.
		Sanyasimalai ..	480	..	..	..	480	..	No. 54, dated 27th January 1892.
		Kudimaduvu ..	4,424	..	..	..	4,424	..	No. 366, dated 3rd August 1892.
		Kurumbapatti ..	8,819	..	..	..	8,819	..	No. 333, dated 27th June 1893.
		Nagaramalai ..	1,139	..	..	..	1,139	..	No. 612, dated 9th December 1893.
		Elattúr	1,268	..	..	..	1,268	..	No. 512, dated 23rd October 1894.
		Bonthakal	294	..	..	..	294	..	No. 456, dated 23rd and 27th August 1895.
		Manjakkal ..	314	..	..	..	314	..	No. 477, dated 5th and 10th September 1895.
		Bothakkadu ..	2,822	..	..	..	2,822	..	No. 492, dated 5th and 10th September 1895.
		Pillapalli Extension	314	..	..	..	314	..	No. 19, dated 16th December 1895.
		Kuttur do.	1,472	..	..	..	1,472	..	No. 49, dated 9th December 1895.
		Vellalagundem ..	3,329	..	..	..	3,329	..	No. 38, dated 24th January 1899.
		Velampatti ..	..	..	4,890	..	4,890	..	No. 77, dated 25th January 1901.
		Kurichi	..	..	3,409	..	3,409	..	
		Varagur	2,675	..	..	..	2,675	..	No. 360, dated 25th October 1887.
		Do. Extension.	486	..	..	..	486	..	No. 254, dated 1st June 1892.
		Nayakan Kombai ..	2,880	..	..	..	2,880	..	No. 169, dated 22nd April 1887.
	Atur taluk.	Belur	6,880	..	..	..	6,880	..	No. 417, dated 10th November 1886.
		Nagur	3,757	..	..	..	3,757	..	No. 83, dated 8th February 1887.
		Gengavalli	7,040	..	..	..	7,040	..	No. 259, dated 18th May 1893.

(*a*) Rectification of area.

District.	Range.	Name of forest.	Area on 1st July 1900. Acres.	Area on 1st July 1900. Equivalent in square miles.	Added during the year. Acres.	Excluded. Acres.	Area on 30th June 1901. Acres.	Area on 30th June 1901. Equivalent in square miles.	Number and date of Notification of addition or exclusion.
			Reserved forests—cont.						
Salem—*cont.*	Atur taluk—*cont.*	Mannur	9,260	..	..	..	9,260	..	No. 632, dated 2nd and 11th December 1895.
		Jadaya Gavundan Slopes.	12,420	..	..	..	12,420	..	No. 17, dated 16th December 1895.
		Pattimedu	3,046	..	..	..	3,046	..	No. 25, dated 19th December 1895.
		Nagalur	5,018	..	..	..	5,018	..	
		Thumbal	3,670	..	..	..	3,670	..	
		Do. Extension.	1,800	..	..	..	1,800	..	No. 146, dated 20th and 24th March 1896.
		Mavar	1,980	..	..	..	1,980	..	No. 34, dated 15th January 1900.
		Pattimedu Extension.	..	..	2,281	..	2,281	..	No. 423, dated 15th September 1900.
		Karavalli Kombai..	8,755	..	..	..	8,755	..	No. 447, dated 26th November 1886.
	Atur and Námakkal taluks.	Jambuthu	2,617	..	..	..	2,617	..	No. 92, dated 8th February 1887.
	Námakkal taluk.	Puliansholai ..	5,530	..	..	..	5,530	..	No. 316, dated 9th September 1887.
		Pakkanadu ..	4,086	..	..	..	4,086	..	No. 110, dated 11th April 1888.
	Tiruchengodu taluk.	Suriyamalai ..	4,166	..	..	..	4,166	..	No. 223, dated 2nd May 1891.
		Pallippatti	11,192	..	..	..	11,192	..	No. 86, dated 8th February 1887.
	Uttankarai taluk.	Thombakkal ..	9,608	..	..	..	9,608	..	No. 445, dated 14th December 1886.
		Chitteri	3,459	..	..	..	3,459	..	No. 79, dated 8th February 1887.
		Chitlingi	8,342	..	..	..	8,342	..	No. 306, dated 19th August 1887.
		Kottapatti	11,561	..	..	..	11,561	..	No. 67, dated 24th January 1887.
		Poyappatti ..	3,256	..	..	..	3,256	..	No. 437, dated 20th September 1898.
		Puvampatti ..	5,286	..	..	..	5,286	..	No. 446, dated 14th December 1886.
		Ammapalaiyam ..	10,578	..	..	..	10,578	..	No. 325, dated 14th July 1891.
		Singarapet ..	2,637	..	..	..	2,637	..	No. 257, dated 8th July 1887.
		Mallapuram Extension.	400	..	..	..	400	..	No. 23, dated 28th January 1889.
		Thombakkal Extension.	5,563	..	..	..	5,563	..	No. 265, dated 30th May 1892.
		Nochikuttai ..	8,885	..	..	..	8,885	..	No. 397, dated 22nd August 1892.
		Kalnad	5,793	..	..	..	5,793	..	No. 202, dated 10th May 1892.
		Chitteri Extension.	5,971	..	..	..	5,971	..	No. 255, dated 1st June 1892.
		Veppampatti ..	10,680	..	..	..	10,680	..	No. 242, dated 26th May 1892.
		Thirthamalai ..	16,294	..	..	..	16,294	..	No. 519, dated 7th November 1892.
		Sundamalli ..	560	..	..	..	560	..	No. 254, dated 19th May 1894.
		Pudur Pungani ..	1,120	..	..	..	1,120	..	No. 260, dated 24th May 1894.
		Vellakkal	863	..	..	..	863	..	No. 143, dated 22nd March 1895.
		Onnakarai	..	..	3,659	..	3,659	..	No. 249, dated 16th May 1900.
		Kavuramalai ..	..	..	5,770	..	5,770	..	No. 438, dated 28th September 1900.
		Karungal	..	..	5,189	..	5,189	..	No. 131, dated 28th February 1901.
		Chitlingi Extension	..	..	2,930	..	2,930	..	No. 51, dated 17th January 1901.
		Elavambadi ..	3,838	..	..	..	3,838	..	No. 202, dated 18th April 1895.
		Kavuramalai Extension.	2,768	..	..	..	2,768	..	No. 1300, dated 28th May 1895.
		Puvampatti Extension.	1,544	..	..	..	1,544	..	No. 408, dated 23rd August 1895.
		Mukkanur	2,060	..	..	..	2,060	..	No. 482, dated 5th September 1895.
		Alambadi	512	..	..	..	512	..	No. 18, dated 16th December 1895.

District.	Range.	Name of forest.	Area on 1st July 1900. Acres.	Area on 1st July 1900. Equivalent in square miles.	Added during the year. Acres.	Excluded. Acres.	Area on 30th June 1901. Acres.	Area on 30th June 1901. Equivalent in square miles.	Number and date of Notification of addition or exclusion.
			Reserved forests—cont.						
Salem—*cont.*	Uttankarai taluk—*cont.*	Harur	1,679	..	..	..	1,679	..	No. 145, dated 19th March 1895.
		Ponnagarappatti ..	3,769	..	..	..	3,769	..	No. 222, dated 26th May 1899.
		Vathampatti ..	1,563	..	..	..	1,563	..	No. 83, dated 23rd February 1900.
		Morappur	5,982	..	..	..	5,982	..	No. 382, dated 22nd August 1899.
		Govindapuram ..	2,304	..	..	..	2,304	..	No. 402, dated 22nd August 1892.
	Tirup-pattúr taluk.	Mangalam	6,080	..	..	..	6,080	..	No. 384, dated 2nd November 1886.
		Nagaluthu ..	2,560	..	..	..	2,560	..	No. 388, dated 2nd November 1886.
		Mambakkam ..	10,304	..	..	..	10,304	..	No. 436, dated 1st November 1886.
		Singarapet Extension.	5,584	..	..	..	5,584	..	No. 211, dated 23rd May 1887.
		Pungulam ..	9,203	..	..	..	9,203	..	No. 386, dated 2nd November 1886.
		Madarakadapa ..	2,118	..	..	..	2,118	..	No. 427, dated 13th November 1886.
		Jolarpet	1,216	..	..	..	1,216	..	No. 444, dated 14th December 1886.
		Narasingapuram ..	1,722	..	..	..	1,722	..	
		Kalarappatti ..	2,019	..	..	..	2,019	..	No. 387, dated 2nd November 1886.
		Alangayam ..	11,523	..	..	..	11,523	..	No. 208, dated 23rd May 1887.
		Andiappanur ..	9,479	..	..	..	9,479	..	No. 514, dated 24th October 1894.
		Inner Javvadis ..	31,515	..	..	..	31,515	..	No. 125, dated 9th March 1885.
		Vellakuttai ..	742	..	..	..	742	..	No. 466, dated 23rd August 1895.
		Nagaluthu Extension.	..	..	1,360	..	1,360	..	No. 306, dated 19th June 1900.
		Burgur extension.	1,628	..	..	..	1,628	..	No. 206, dated 17th May 1887.
	Krishna-giri taluk.	Thogarapalli ..	900	..	..	..	900	..	No. 359, dated 25th October 1887.
		Naralakottai ..	7,140	..	..	..	7,140	..	No. 30, dated 16th January 1893.
		Maharajakadai Extension.	2,560	..	..	..	2,560	..	No. 24, dated 16th January 1894.
		Varattanapalli ..	1,990	..	..	..	1,990	..	No. 262, dated 10th May 1893.
		Thattaikallu ..	857	..	..	..	857	..	No. 228, dated 1st May 1893.
		Maharajakadai ..	7,744	..	..	..	7,744	..	No. 416, dated 31st July 1895.
		Medugampalli, second part.	36	..	..	..	36	..	No. 149, dated 16th March 1896.
		Nandibanda ..	2,500	..	..	..	2,500	..	No. 247, dated 3rd May 1893.
		Kothur	3,840	..	..	..	3,840	..	No. 170, dated 22nd April 1887.
	Hosúr taluk.	Aiyur	5,952	..	..	..	5,952	..	No. 120, dated 22nd February 1887.
		Marandahalli ..	5,824	..	..	..	5,824	..	No. 115, dated 15th February 1887.
		Gulhatti (new) ..	7,942	..	..	..	7,942	..	No. 318, dated 9th September 1887.
		Manchi (new) ..	5,632	..	..	..	5,632	..	No. 152, dated 29th March 1887.
		Javalagiri ..	6,016	..	..	..	6,016	..	No. 305, dated 19th August 1887.
		Thalli	6,368	..	..	..	6,368	..	No. 255, dated 8th July 1887.
		Noganur	3,196	..	..	..	3,196	..	No. 182, dated 29th June 1888.
		Denkanikóta ..	2,816	..	..	..	2,816	..	No. 335, dated 31st August 1887.
		Tholuvabetta ..	6,708	..	..	..	6,708	..	No. 204, dated 20th May 1887.
		Anchetti	8,832	..	..	..	8,832	..	No. 182, dated 6th May 1887.
		Natrapalaiyam ..	10,880	..	..	..	10,880	..	No. 212, dated 23rd May 1887.

District.	Range.	Name of forest.	Area on 1st July 1900. Acres.	Area on 1st July 1900. Equivalent in square miles.	Added during the year. Acres.	Excluded. Acres.	Area on 30th June 1901. Acres.	Area on 30th June 1901. Equivalent in square miles.	Number and date of Notification of addition or exclusion.
		Reserved forests—cont.							
Salem—*cont.*	Hosúr taluk—*cont.*	Billigundlu ..	14,272	..	..	..	14,272	..	No. 372, dated 10th November 1887.
		Kestur	11,616	..	..	..	11,616	..	No. 107, dated 22nd February 1887.
		Bilikal	11,136	..	..	..	11,136	..	No. 214, dated 23rd May 1887.
		Mallahalli	8,928	..	..	..	8,928	..	No. 303, dated 19th August 1887.
		Thaggatti	10,432	..	..	..	10,432	..	No. 209, dated 23rd May 1887.
		Galigattam ..	6,080	..	..	..	6,080	..	No. 279, dated 13th June 1892.
		Kestur Extension ..	3,600	..	..	..	3,600	..	No. 280, dated 13th June 1892.
		Thalli do. ..	4,320	..	..	..	4,320	..	No. 547, dated 25th November 1892.
		Pennagaram ..	10,304	..	..	..	10,304	..	No. 307, dated 19th August 1887.
		Morappur	16,640	..	..	..	16,640	..	No. 289, dated 1st October 1898.
		Bianurmalai ..	11,500	..	..	..	11,500	..	No. 508, dated 20th November 1890.
		Masakkal ..	9,600	..	..	..	9,600	..	No. 468, dated 14th October 1891.
		Perumbalaimalai ..	12,000	..	..	..	12,000	..	No. 171, dated 13th April 1891.
	Dharmapuri taluk.	Thoppur	7,000	..	..	..	7,000	..	No. 121, dated 15th March 1892.
		Kesaraguli ..	6,400	..	..	..	6,400	..	No. 300, dated 22nd June 1892.
		Pickilimalai ..	6,400	..	..	..	6,400	..	No. 261, dated 30th May 1892.
		Bathanavadi ..	27,000	..	..	..	27,000	..	No. 398, dated 22nd August 1892.
		Kalappambadi ..	9,500	..	..	..	9,500	..	No. 490, dated 20th September 1893.
		Singarahalli and Parappadipatti.	1	..	..	..	1	..	No. 483, dated 5th September 1895.
		Parigam A and B ..	..	..	16,627	..	16,627	..	No. 402, dated 3rd September 1900.
	Hosúr and Dharmapuri taluks.	Woddappatti ..	17,152	..	..	..	17,152	..	No. 371, dated 22nd November 1887.
		Guttirayan ..	15,776	..	..	..	15,776	..	No. 340, dated 30th September 1887.
		Total ..	803,878	1,256	46,115	3,494	846,499	1,323	
		Reserved lands not transferred to reserved forests during the year.							
	Salem taluk.	Konur	..	..	2,410	..	2,410	..	No. 371, dated 16th August 1900.
		Sholappadi A and B.	..	..	3,494	..	3,494	..	No. 393, dated 28th August 1900.
		Mallur	5,000	..	2,310	..	7,310	..	No. 437, dated 28th September 1900.
	Uttankarai taluk.	Kottapatti Extension.	..	..	13,336	..	13,336	..	No. 382, dated 20th August 1900.
		Kalnad do. ..	..	..	1,440	..	1,440	..	No. 365, dated 13th August 1900.
		Nochikuttai do. ..	..	..	4,064	..	4,064	..	
	Tiruppattur taluk	Vellakkuttai do. ..	..	..	973	..	973	..	No. 225, dated 1st May 1901.
	Hosúr taluk.	Hudaidurgam ..	..	..	29,290	..	29,290	..	No. 49, dated 17th January 1901.
		Urigam	..	..	9,581	..	9,581	..	No. 153, dated 14th March 1901.
		Hulibanda	7,360	..	2,112	..	9,472	..	No. 60, dated 4th February 1901.
		Kempakarai ..	..	..	7,123	..	7,123	..	No. 167, dated 14th March 1901.
		Sanamavu	..	..	4,820	..	4,820	..	No. 392, dated 28th August 1900.
		Area notified in previous years.	39,563	..	(*a*) 2,550	(*c*) 396	71,717	..	
		Total ..	81,923	..	(*b*) 83,503	396	165,030	258	
		Grand Total ..	885,801	..	129,618	3,890	1,011,529	1,581	

(*a*) Rectification of area.
(*b*) Excludes the area of Chitlingi Extension reserve, *viz.*, 2,930 acres notified both under sections 4 and 16 during the year.
(*c*) Excluded at settlement.

District.	Range.	Name of forest.	Area on 1st July 1900. Acres.	Area on 1st July 1900. Equivalent in square miles.	Added during the year. Acres.	Excluded. Acres.	Area on 30th June 1901. Acres.	Area on 30th June 1901. Equivalent in square miles.	Number and date of Notification of addition or exclusion.
		Reserved forests.							
Trichinopoly.	Kulitalai.	Adavattur tank-bed.	269	..	..	..	269	..	No. 474, dated 12th October 1898.
		Punganur ,,	303	..	..	..	303	..	No. 434, dated 20th September 1898.
		Tuvakudi	1,438	..	..	..	1,438	..	No. 248, dated 1st July 1887.
		Elamanur	117	..	..	..	117	..	No. 171, dated 9th September 1884.
		Pettavaithalai ..	137	..	..	..	137	..	No. 10, dated 22nd December 1886.
		Kulitalai	77	..	..	..	77	..	No. 171, dated 9th September 1884.
		Manathattai ..	45	..	..	..	45	..	
		Lalapet	268	..	..	..	268	..	
		Sithalavoi	160	..	..	..	160	..	
		Kattalai	75	..	..	..	75	..	
		Marudur	180	..	..	..	180	..	No. 441, dated 3rd October 1890.
		Mayanur	50	..	..	..	50	..	No. 442, dated 3rd October 1890.
		Peruvalappur ..	..	..	695	..	695	..	No. 269, dated 2nd June 1900.
		Kundurkalvarayankulam.	..	..	1,105	..	1,105	..	No. 475, dated 25th October 1900.
		Temmalai	464	..	..	..	464	..	No. 204, dated 4th December 1883.
		Minnakkaradu ..	98	..	..	..	98	..	
		Panjantangi hill ..	1,543	..	..	..	1,543	..	
		Viramalai hills ..	5,472	..	..	..	5,472	..	
		Poigappatti hills ..	639	..	..	..	639	..	
		Shemmalai No. I ..	2,477	..	..	..	2,477	..	
		Pakkirikaradu ..	65	..	..	..	65	..	
		Puthanatham range consisting of Karumalai, Palamalai and Nedumalai.	705	..	..	..	705	..	No. 248, dated 1st July 1887.
		Surpam range ..	1,403	..	..	..	1,403	..	
		Methalamalai ..	500	..	..	..	500	..	No. 151, dated 2nd June 1888.
	Vaiyampatti.	Shemmalai No. II.	1,552	..	..	..	1,552	..	No. 443, dated 3rd October 1890.
		Sigamkaradu ..	800	..	..	..	800	..	No. 105, dated 4th March 1890.
		Karuppur Reddiappatti hills.	3,600	..	..	..	3,600	..	No. 171, dated 27th April 1892.
		Panjantangi hill valley.	286	..	..	..	286	..	No. 352, dated 6th August 1891.
		Amayapuram Perumaraikadu.	600	..	..	..	600	..	No. 367, dated 14th July 1894.
		Naganur (Viramalai eastern extension).	878	..	..	..	878	..	No. 461, dated 4th October 1898.
		Kumarikutti hill ..	1,499	..	..	..	1,499	..	No. 439, dated 20th September 1898.
		Aniyapur (Viramalai western extension).	..	..	760	..	760	..	No. 542, dated 1st December 1900.
	Musiri ..	Sengattupatti ..	3,000	..	..	..	3,000	..	No. 87, dated 8th February 1887.
		Melur	3,000	..	..	..	3,000	..	
		Kaliyammankoil thittu.	1,500	..	..	..	1,500	..	No. 271, dated 19th September 1888.
		Karuppankadu thittu.	2,000	..	..	..	2,000	..	No. 239, dated 14th August 1888.
		Kanappadi Kanmimar sholai.	2,560	..	..	..	2,560	..	No. 167, dated 12th June 1888.
		Kanappadi Thenparanadu.	12,000	..	..	..	12,000	..	No. 262, dated 19th September 1888.
		Palamalai	10,000	..	..	..	10,000	..	No. 240, dated 14th August 1888.
		Vannadu Kanappadi.	10,000	..	..	..	10,000	..	No. 45, dated 19th January 1892,
		Manmalai	6,000	..	..	..	6,000	..	No. 184, dated 4th May 1892.
		Pagalavadi ..	..	..	1,010	..	1,010	..	No. 223, dated 5th May 1900.
		T. Kanappadi enclosure No. II, block No. 28-A.	..	..	21	..	21	..	No. 302, dated 23rd June 1900.
		Omandur	..	..	1,012	..	1,012	..	No. 418, dated 10th September 1900.

District.	Range.	Name of forest.	Area on 1st July 1900. Acres.	Area on 1st July 1900. Equivalent in square miles.	Added during the year. Acres.	Excluded. Acres.	Area on 30th June 1901. Acres.	Area on 30th June 1901. Equivalent in square miles.	Number and date of Notification of addition or exclusion.
			Reserved forests—cont.						
Trichinopoly—*cont.*	Musiri—*cont.*	Edumalai	..	..	1,465	..	1,465	..	No. 130, dated 27th February 1901.
		Vellakkalpatti ..	..	..	1,858	..	1,858	..	No. 172, dated 16th March 1901.
		Maniyankurichi ..	..	..	1,005	..	1,005	..	No. 418, dated 10th September 1900.
		Kurichimalai ..	..	..	1,110	..	1,110	..	No. 72, dated 7th February 1901.
		Nedungur	..	..	634	..	634	..	No. 93, dated 16th February 1901.
		Appananallur ..	..	..	922	..	922	..	No. 87, dated 16th February 1901.
		Sathanur	..	..	753	..	753	..	No. 92, dated 16th February 1901.
	Perambalúr.	Manalodai	5,000	..	..	..	5,000	..	No. 85, dated 8th February 1887.
		Sholamatty ..	6,000	..	..	..	6,000	..	
		Selaiyur	1,600	..	..	..	1,600	..	No. 150, dated 12th May 1888.
		Puliyur	10,000	..	..	..	10,000	..	No. 166, dated 12th June 1888.
		Semmalai	5,000	..	..	..	5,000	..	No. 165, dated 12th June 1888.
		Sengathur	10,000	..	..	..	10,000	..	No. 247, dated 27th August 1888.
		Valaiyur	1,655	..	..	..	1,655	..	No. 476, dated 5th October 1897.
		Pillankolam ..	1,267	..	..	..	1,267	..	No. 474, dated 12th October 1898.
		Irur	876	..	..	..	876	..	No. 521, dated 14th November 1898.
		Kariyanur	774	..	..	..	774	..	No. 466, dated 4th October 1898.
		Siruvasur ..	1,984	..	..	..	1,984	..	No. 463, dated 4th October 1898.
		Mathavarai Mavilangai.	912	..	..	..	912	..	No. 11, dated 5th January 1899.
		Pulambadi No. II.	3,910	..	..	..	3,910	..	No. 570, dated 6th December 1898.
		Puliyur Extension No. II.	544	..	..	..	544	..	No. 384, dated 22nd August 1899.
		Puliyur Extension No. I.	1,644	..	..	..	1,644	..	No. 653, dated 8th December 1899.
		Kurumbalur ..	1,963	..	..	..	1,963	..	No. 118, dated 12th March 1900.
		Naranamangalam ..	1,264	..	..	..	1,264	..	No. 405, dated 11th September 1899.
		Ayinarpalaiyam ..	1,607	..	..	..	1,607	..	No. 578, dated 18th December 1898.
		Sirukodal	766	..	..	..	766	..	No. 552, dated 8th December 1899.
		Kunnam	..	..	1,319	..	1,319	..	No. 343, dated 18th July 1900.
		Mangalam ..	885	..	..	..	885	..	No. 569, dated 12th December 1899.
		Sittali	1,226	..	..	..	1,226	..	No. 525, dated 20th November 1899.
		Vembavur	1,782	..	..	..	1,782	..	No. 524, dated 20th November 1899.
		Peraiyur	1,382	..	..	..	1,382	..	No. 529, dated 20th November 1899.
	Udayárpálayam.	Tennamanallur ..	10	..	..	..	10	..	No. 375, dated 9th August 1890.
		Valakurichi ..	48	..	..	..	48	..	No. 377, dated 9th August 1890.
		Sathambadi ..	1,000	..	..	..	1,000	..	No. 106, dated 12th March 1891.
		Kolamanikkam ..	236	..	..	..	236	..	No. 89, dated 6th March 1891.
		Vettiyarpattu Nos. 1 and 2.	620	..	..	..	620	..	Nos. 90 and 91, dated 6th March 1891.
		Aramanaikurichi ..	91	..	..	..	91	..	No. 92, dated 6th March 1891.
		Ambappur	200	..	..	..	200	..	No. 121, dated 21st March 1891.
		Sundareswarapuram	150	..	..	..	150	..	No. 118, dated 18th March 1891.
		Ulliyakudi ..	196	..	..	..	196	..	No. 122, dated 21st March 1891.
		Alavoy	300	..	..	..	300	..	No. 123, dated 21st March 1891.

District.	Range.	Name of forest.	Area on 1st July 1900. Acres.	Area on 1st July 1900. Equivalent in square miles.	Added during the year. Acres.	Excluded. Acres.	Area on 30th June 1901. Acres.	Area on 30th June 1901. Equivalent in square miles.	Number and date of Notification of addition or exclusion.
		Reserved forests—cont.							
Trichinopoly—*cont.*	Udaiyárpálaiyam.—*cont.*	Annagarampattai Nos. I to V.	57	..	..	..	57	..	No. 170, dated 13th April 1891.
		Mudukolam ..	1,197	..	..	..	1,197	..	No. 287, dated 22nd June 1891.
		Periyavalaiyam ..	985	..	..	..	985	..	No. 290, dated 22nd June 1891.
		Vilangudi	900	..	..	..	900	..	No. 291, dated 22nd June 1891.
		Aiyur	1,400	..	..	..	1,400	..	No. 452, dated 14th October 1891.
		Varapanakurichi ..	190	..	..	..	190	..	No. 459, dated 15th October 1891.
		Sripurandan bits I and II.	457	..	..	..	457	..	No. 467, dated 14th October 1891.
		Kovilur	700	..	..	..	700	..	No. 469, dated 14th October 1891.
		Kanguli	800	..	..	..	800	..	No. 471, dated 14th October 1891.
		Tirukonam ..	650	..	..	..	650	..	No. 473, dated 14th October 1891.
		Karaipakkam ..	83	..	..	..	83	..	No. 122, dated 18th March 1892.
		Kulumur	200	..	..	..	200	..	No. 475, dated 14th October 1891.
		Tiruvenganur ..	136	..	..	..	136	..	No. 118, dated 18th March 1892.
		Sathambadi ..	179	..	..	..	179	..	No. 123, dated 18th March 1893 and No. 401, dated 19th August 1892.
		Periyavalaiyam Eastern Extension No. I.	80	..	..	..	80	..	No. 464, dated 4th October 1898.
		Kulumur Extension No. I.	280	..	..	..	280	..	No. 448, dated 28th September 1898.
		Kilakolathur ..	1,313	..	..	..	1,313	..	No. 492, dated 26th October 1898.
		Edaiyathangadi ..	890	..	..	..	890	..	No. 207, dated 5th May 1899.
		Sundareswarapuram Extension.	74	..	..	..	74	..	No. 484, dated 4th November 1899.
		Ulliyakkudi Extension.	..	..	77	..	77	..	No. 225, dated 5th May 1900.
		Pilakurichi ..	404	..	..	..	404	..	No. 56, dated 1st February 1900.
		Tirukkonam Extension.	..	..	591	..	591	..	No. 226, dated 5th May 1900.
		Vilangudi Extension I.	189	..	..	..	189	..	No. 482, dated 4th November 1899.
		Vengaram ..	..	..	1,020	..	1,020	..	No. 535, dated 11th December 1900.
		Alavoy Extension ..	614	..	..	..	614	..	No. 39, dated 22nd January 1900.
		Karaipakkam Extension.	..	..	224	..	224	..	No. 268, dated 31st May 1900.
		Siluvacheri ..	1,054	..	..	..	1,054	..	No. 69, dated 10th February 1900.
		Total ..	153,484	240	15,581	..	169,065	264	
		Reserved lands not transferred to reserved forests during the year.							
		Area notified in previous years.	* 34,727	..	..	(*o*) 1,197	33,530	52	
		Grand Total ..	188,211	..	15,581	1,197	202,595	316	
		Reserved forests.							
Tanjore.	Shiyali taluk.	Vettangudi ..	2,010	..	..	..	2,010	..	No. 243, dated 10th May 1893.
		Northern Casuarina block.	285	..	..	..	285	..	No. 209, dated 18th July 1888.
		Southern Casuarina block.	211	..	..	..	211	..	No. 210, dated 18th July 1888.
		Neidavasal ..	42	..	..	..	42	..	No. 211, dated 18th July 1888.
		North Casuarina Extension.	100	..	..	..	100	..	No. 572, dated 26th November 1897.

(*o*) Excluded at settlement.

* Excludes 289 acres added during the year by rectification of area and transferred to reserved forests during the same year.

District.	Range.	Name of forest.	Area on 1st July 1900.		Added during the year.	Excluded.	Area on 30th June 1901.		Number and date of Notification of addition or exclusion.
			Acres.	Equivalent in square miles.	Acres.	Acres.	Acres.	Equivalent in square miles.	
		Reserved forests—cont.							
Tanjore—*cont.*	Tirutturaipúndi taluk.	Kodiyakadu ..	4,204	..	..	..	4,204	..	No. 188, dated 4th May 1892.
		Talanaiyar ..	2,000	..	..	..	2,000	..	No. 234, dated 4th August 1888.
		Nadur No. I ..	1,000	..	..	..	1,000	..	No. 110, dated 20th April 1889.
		Nadur No. II ..	200	..	..	..	200	..	No. 269, dated 17th September 1888.
	Tanjore taluk.	Thachankurichi ..	320	..	..	..	320	..	No. 254, dated 19th September 1888.
		Viralipatti northern block.	145	..	..	..	145	..	No. 263, dated 19th September 1888.
		Viralipatti southern block.	234	..	..	..	234	..	No. 268, dated 17th September 1888.
		Kollangarai ..	458	..	..	..	458	..	No. 265, dated 19th September 1888.
		Puthur No. I ..	191	..	..	..	191	..	No. 270, dated 17th September 1888.
		Do. ,, II ..	119	..	..	..	119	..	No. 212, dated 18th July 1888.
		Total ..	11,519	18	..	..	11,519	18	
		Reserved lands not transferred to reserved forests during the year—Nil.							
		Reserved forests.							
South Canara.	Coondapur.	Subladi	208	..	..	..	208	..	No. 98, dated 8th May 1884.
		Kasapakatti ..	262	..	..	..	262	..	No. 560, dated 28th November 1892.
		Harkur	858	..	..	..	858	..	No. 16, dated 10th January 1893.
		Talabur Ane ..	611	..	..	..	611	..	No. 250, dated 1st May 1893.
		Gundaber Pare ..	2,178	..	..	..	2,178	..	No. 185, dated 5th April 1893.
		Jennal Ane ..	657	..	..	..	657	..	No. 150, dated 20th March 1893.
		Korakoppudahola ..	433	..	..	..	433	..	No. 250, dated 1st May 1893.
		Harmannu ..	639	..	..	..	639	..	No. 136, dated 9th March 1894.
		Herur	2,911	..	..	..	2,911	..	No. 24, dated 5th January 1898.
		Hulimishe Pare ..	1,897	..	..	..	1,897	..	No. 407, dated 29th August 1898.
		Darlegudde ..	168	..	..	..	168	..	No. 259, dated 3rd June 1897.
		Menashinagudde ..	386	..	..	..	386	..	No. 230, dated 19th May 1899.
		Hullamurdu Pare ..	9,674	..	..	..	9,674	..	No. 136, dated 27th March 1899.
		Garuvanakote ..	1,975	..	..	..	1,975	..	No. 259, dated 3rd June 1897.
		Halakkahola ..	872	..	..	..	872	..	No. 470, dated 20th August 1899.
		Balkattehola ..	527	..	..	..	527	..	No. 508, dated 8th November 1898.
		Abbigudde ..	1,434	..	..	..	1,434	..	No. 259, dated 3rd June 1897.
		Mudarigudde ..	356	..	..	..	356	..	
		Homakodlu ..	584	..	..	..	584	..	
		Vadanaberukola ..	537	..	..	..	537	..	No. 548, dated 24th November 1898.
		Jarkal Ane ..	387	..	..	..	387	..	No. 173, dated 18th April 1899.
		Surtihola	360	..	..	..	360	..	No. 178, dated 18th November 1899.
		Suraladivi	683	..	..	..	683	..	No. 604, dated 6th December 1897.
		Mudugal Pare ..	7,884	..	..	..	7,884	..	No. 449, dated 28th September 1898.
		Nujina Ane ..	749	..	..	..	749	..	No. 25, dated 5th January 1898.
		Naganakal Pare ..	5,400	..	..	..	5,400	..	No. 527, dated 14th November 1898.
		Hannar magane ..	1,598	..	..	..	1,598	..	No. 340, dated 24th July 1899.

District.	Range.	Name of forest.	Area on 1st July 1900. Acres.	Area on 1st July 1900. Equivalent in square miles.	Added during the year. Acres.	Excluded. Acres.	Area on 30th June 1901. Acres.	Area on 30th June 1901. Equivalent in square miles.	Number and date of Notification of addition or exclusion.
			Reserved forests—cont.						
South Canara—*cont.*	Coondapoor—*cont.*	Kamradihola ..	911	..	..	..	911	..	No. 487, dated 27th October 1898.
		Mettakattugudde ..	5,575	..	..	..	5,575	..	No. 83, dated 18th February 1899.
		Chittur	2,234	..	..	..	2,234	..	No. 507, dated 7th November 1898.
		Kadike	2,736	..	..	..	2,736	..	No. 259, dated 3rd June 1887.
		Karnigudde ..	1,158	..	..	..	1,158	..	
		Sarpanamane ..	479	..	..	..	479	..	
		Doddinamane ..	3,469	..	..	..	3,469	..	No. 543, dated 6th December 1899.
		Bakudihola ..	1,064	..	..	..	1,064	..	No. 192, dated 22nd April 1899.
		Murkodihola ..	1,021	..	..	..	1,021	..	No. 573, dated 24th November 1897.
		Madibare	19,244	..	..	..	19,244	..	No. 163, dated 2nd April 1899.
		Keratikollu ..	6,453	..	..	..	6,453	..	No. 188, dated 22nd April 1899.
		Magani Valley ..	16,855	..	..	..	16,855	..	No. 370, dated 12th August 1899.
		Kursegudde ..	3,260	..	..	..	3,260	..	No. 89, dated 19th February 1898.
		Tombattu	12,866	..	..	..	12,866	..	No. 393, dated 29th August 1899.
		Surikodlu	3,855	..	..	..	3,855	..	No. 104, dated 3rd March 1899.
		Balimane	..	..	13,071	..	13,071	..	No. 449, dated 10th October 1900.
		Baregundi ..	8,024	..	..	..	8,024	..	No. 13, dated 5th January 1899.
		Baindur	5,795	..	..	..	5,795	..	No. 186, dated 22nd April 1899.
		Mavinaguli ..	1,357	..	..	..	1,357	..	No. 411, dated 1st September 1898.
		Dottinaberu ..	646	..	..	..	646	..	No. 377, dated 18th August 1898.
		Savantagudde ..	317	..	..	..	317	..	No. 549, dated 28th November 1898.
	Udipi ..	Ajjarkadu	155	..	..	..	155	..	No. 98, dated 8th May 1884.
		Pillarkan	320	..	..	..	320	..	No. 37, dated 19th January 1885.
		Tenkahola	2,039	..	..	..	2,039	..	No. 179, dated 13th April 1891.
		Manajikodu ..	423	..	..	..	423	..	No. 142, dated 22nd May 1888.
		Chinkramale ..	2,560	..	..	..	2,560	..	No. 161, dated 14th June 1888.
		Durgamale ..	1,601	..	..	..	1,601	..	No. 362, dated 28th November 1889.
		Andar	22,334	..	..	..	22,334	..	No. 14, dated 20th January 1891.
		Jaravattukodu ..	418	..	..	..	418	..	No. 49, dated 30th January 1899.
		Matkalgudde ..	251	..	..	..	251	..	No. 51, dated 30th January 1899.
		Jettukattumale ..	1,386	..	..	..	1,386	..	No. 270, dated 13th June 1899.
		Mavinakodlu ..	1,627	..	..	..	1,627	..	No. 440, dated 29th September 1899.
		Someshwar ..	..	..	23,961	..	23,961	..	No. 224, dated 4th May 1900.
		Chinkramale Extension.	674	..	..	..	674	..	No. 221, dated 26th May 1899.
		Mensinkan ..	1,008	..	..	..	1,008	..	No. 228, dated 19th May 1899.
	Mangalore	Kuttiar	25	..	..	..	25	..	No. 98, dated 8th May 1884.
		Chembugudde ..	75	..	..	..	75	..	No. 37, dated 19th January 1885.
		Ullal honne and Casuarina plantation.	57	..	..	(*e*) 57	..	..	No. 522, dated 7th December 1900.
		Tannirbhavi ..	70	..	..	..	70	..	No. 143, dated 22nd May 1888.
		Todar	458	..	..	..	458	..	No. 437, dated 22nd September 1890.
		Hosabettu ..	376	..	..	..	376	..	No. 213, dated 20th July 1888.

(*e*) Disafforested.

District.	Range.	Name of forest.	Area on 1st July 1900. Acres.	Area on 1st July 1900. Equivalent in square miles.	Added during the year. Acres.	Excluded. Acres.	Area on 30th June 1901. Acres.	Area on 30th June 1901. Equivalent in square miles.	Number and date of Notification of addition or exclusion.
			Reserved forests—cont.						
South Canara—*cont.*	Mangalore *cont.*—	Hurabe	545	..	..	..	545	..	No. 352, dated 4th August 1899.
		Kadiamale ..	1,169	..	..	..	1,169	..	No. 11, dated 23rd December 1899.
		Panamberi ..	..	..	634	..	634	..	No. 472, dated 17th October 1900.
		Naninjamale ..	1,459	..	..	..	1,459	..	No. 495, dated 11th November 1899.
	Uppinangadi.	Darmastalamandaji.	4,997	..	..	..	4,997	..	No. 475, dated 19th September 1894.
		Charimadi-Kanapadi.	12,800	..	..	..	12,800	..	No. 267, dated 25th May 1898.
		Siradi sisla ..	35,174	..	..	..	35,174	..	No. 157, dated 31st March 1887.
		Bhagimale ..	6,400	..	..	..	6,400	..	
		Porkal	..	..	4,558	..	4,558	..	No. 359, dated 30th July 1900.
		Shiradi Extension.	..	..	883	..	883	..	No. 190, dated 23rd April 1900.
		Kadimbilla ..	1,848	..	..	..	1,848	..	No. 50, dated 3rd February 1900.
		Shibaje	..	..	3,456	..	3,456	..	No. 356, dated 30th July 1900.
		Miyar	..	..	17,533	..	17,533	..	No. 391, dated 30th August 1900.
		Nidle	..	..	3,269	..	3,269	..	No. 341, dated 21st July 1900.
		Nerankimale ..	3,960	..	..	..	3,960	..	No. 577, dated 18th December 1899.
		Kidu	..	..	6,414	..	6,414	..	No. 474, dated 25th October 1900.
		Mijur	..	..	10,106	..	10,106	..	No. 240, dated 21st March 1901.
		Konaje	..	..	6,632	..	6,632	..	No. 24, dated 12th January 1901.
		Padnur	..	..	3,157	..	3,157	..	No. 488, dated 30th October 1900.
	Puttur ..	Poitaje-Kayarpala.	96	..	..	..	96	..	No. 37, dated 19th January 1885.
		Parappa	2,560	..	..	..	2,560	..	No. 132, dated 21st March 1892.
		Mulliar	2,116	..	..	..	2,116	..	No. 548, dated 6th December 1899.
		Kanakamajulu ..	..	..	2,249	..	2,249	..	No. 28, dated 8th January 1901.
	Udipi-Mangalore and Uppinangadi.	Naravi	64,461	..	..	..	64,461	..	No. 73, dated 6th February 1900.
	Udipi and Mangalore.	Mujimale	3,200	..	..	..	3,200	..	No. 177, dated 13th April 1891.
		Total ..	318,189	497	95,923	57	414,055	647	
			Reserved lands not transferred to reserved forests during the year.						
	Udipi ..	Someshwar Extension.	..	..	1	..	1	..	No. 403, dated 3rd September 1900.
	Puttur ..	Narimogar ..	1,280	..	(*a*) 308	(*c*) 226	1,588	..	No. 91, dated 16th February 1901.
		Area notified in previous years.	284,366	..	..	(*d*) 2,414	281,726	..	....
		Total ..	285,646	..	309	2,640	283,315	443	
		Grand Total ..	603,835	..	96,232	2,697	697,370	1,090	

(*a*) Rectification of area. (*c*) Excluded at Settlement. (*d*) Unreserved by the Collector.

District.	Range.	Name of forest.	Area on 1st July 1900. Acres.	Area on 1st July 1900. Equivalent in square miles.	Added during the year. Acres.	Excluded. Acres.	Area on 30th June 1901. Acres.	Area on 30th June 1901. Equivalent in square miles.	Number and date of Notification of addition or exclusion.
		Reserved forests.							
North Malabar.	Chedleth.	Kuppadi	7,337	..	..	..	7,337	..	No. 112, dated 31st March 1885.
		Kurchiyat	18,054	..	..	..	18,054	..	
		Rampur	18,855	..	..	..	18,855	..	
		Kallur	2,096	..	..	..	2,096	..	No. 58, dated 28th November 1895.
		Edathorai	602	..	..	..	602	..	No. 634, dated 2nd December 1895.
		Muthanga	323	..	..	..	323	..	No. 138, dated 20th March 1896.
		Alathur	1,250	..	..	..	1,250	..	No. 58, dated 28th November 1895.
		Ponkuli	160	..	..	..	160	..	No. 535, dated 20th September 1895.
		Nalpoya	3,458	..	..	..	3,458	..	No. 160, dated 8th June 1885.
		Mavanhulla ..	12,577	..	..	..	12,577	..	
	Begur Padri.	Begur	15,366	..	..	..	15,366	..	No. 191, dated 17th July 1885.
		Advankunnu ..	39	..	..	..	39	..	No. 22, dated 10th June 1890.
		Kudiraikottai ..	19,660	..	..	..	19,660	..	No. 559, dated 24th November 1892.
		Outangudi ..	400	..	..	..	400	..	No. 75, dated 16th February 1895.
		Advankunnu Extension.	21	..	..	..	21	..	No. 528, dated 3rd November 1894.
		Kuruva	367	..	..	..	367	..	No. 343, dated 22nd June 1895.
		Wood stock ..	129	..	..	..	129	..	No. 570, dated 29th November 1897.
		Padri	..	..	13,006	..	13,006	..	No. 320, dated 2nd July 1900.
		Kanoth Extension.	1,147	..	..	..	1,147	..	No. 82, dated 18th February 1899.
	Peria Kanoth.	Peria and Peria Extension.	..	..	13,712	..	13,712	..	No. 344, dated 21st July 1900.
		Total ..	101,841	159	26,718	..	128,559	201	
		Reserved lands not transferred to reserved forests during the year.							
	Begur ..	Ladysmith ..	..	..	2,470	..	2,470	..	No. 52, dated 17th January 1901.
		Area notified in previous years.	45,538	..	..	(c) 18,612	26,926	..	
		Total ..	45,538	..	2,470	18,612	29,396	46	
		Grand Total ..	147,379	..	29,188	18,612	157,955	247	
		Reserved forests.							
South Malabar.	Nilambúr.	Old Amarampalam.	474	..	..	..	474	..	No. 29, dated 15th February 1884.
		Chattiampothuvai..	700	..	..	..	700	..	No. 173, dated 22nd June 1885.
		Beypore tope ..	54	..	..	..	54	..	No. 106, dated 25th February 1897.
	Amarampalem.	Karimpoya ..	3,955	..	..	..	3,955	..	No. 29, dated 15th February 1884.
		Nellikatha ..	1,824	..	..	..	1,824	..	No. 85, dated 9th March 1886.
		New Amarampalam.	96,000	..	..	..	96,000	..	No. 486, dated 25th October 1898.
	Palghat ..	Walayar	3,017	..	..	..	3,017	..	No. 170, dated 14th September 1883.
		Chenat Nair ..	15,203	..	..	..	15,203	..	No. 158, dated 1st April 1887.
		Pulliyampalli tope.	20	..	..	..	20	..	No. 209, dated 14th May 1897.
		Tambarattikotta or Pilachery Pallam.	124	..	..	..	124	..	
		Dhoni or Plakatampalli Paramba.	45	..	..	..	45	..	
		Attapadi block I ..	..	..	18,560	..	18,560	..	No. 332, dated 13th July 1900.
		Do. do. II..	..	..	2,880	..	2,880	..	
		Total ..	121,416	190	21,440	..	142,856	223	

(c) Excluded at Settlement.

District.	Range.	Name of forest.	Area on 1st July 1900. Acres.	Area on 1st July 1900. Equivalent in square miles.	Added during the year. Acres.	Excluded. Acres.	Area on 30th June 1901. Acres.	Area on 30th June 1901. Equivalent in square miles.	Number and date of Notification of addition or exclusion.
		Reserved lands not transferred to reserved forests during the year.							
South Malabar.	South Malabar.	Area notified in previous years.	67,310	..	..	(c) 36,800	30,510	..	
		Total ..	67,310	..	..	36,800	30,510	48	
		Grand Total ..	188,726	..	21,440	36,800	173,366	271	
		Reserved forests.							
The Nilgiris.	Mudumalai.	Benne	11,068	..	..	..	11,068	..	No. 85, dated 14th March 1885.
		Gadsbrook	230	..	..	..	230	..	No. 18, dated 17th January 1888.
		Cherambadi ..	1,983	..	..	..	1,983	..	
		Ammankaval ..	563	..	..	..	563	..	
		Benne reserve addition.	123	..	..	..	123	..	No. 18, dated 17th January 1888, and No. 215, dated 3rd May 1894.
		Rockwood reserve..	..	..	938	..	938	..	No. 229, dated 10th May 1900.
		Ammankovil reserve addition No. II.	..	..	1,255	..	1,255	..	No. 184, dated 20th April 1900.
		Ammankovil reserve addition No. I.	..	..	953	..	953	..	No. 31, dated 8th January 1901.
		Kalhatti slopes ..	8,651	..	..	..	8,651	..	....
		Ebbanad	571	..	..	..	571	..	No. 325, dated 11th August 1886.
		Moyar	13,580	..	..	..	13,580	..	No. 88, dated 5th March 1886.
		Northern Hay ..	3,998	..	..	..	3,998	..	No. 380, dated 12th October 1886.
		Naduvattam ..	3,403	..	..	..	3,403	..	No. 277, dated 22nd July 1887, and No. 28, dated 12th January 1899.
	Sigúr ..	Avaraihulla ..	6,425	..	..	..	6,425	..	No. 304, dated 18th January 1894.
		Sigúr reserve and additions.	49,484	..	..	..	49,484	..	No. 366, dated 16th July 1894.
		Kalmalai	896	..	..	..	896	..	No. 493, dated 10th September 1895.
		Singara reserve addition.	379	..	..	..	379	..	No. 529, dated 16th September 1895.
		Marliamund plantation.	17	..	..	..	17	..	No. 88, dated 14th March 1885.
		Aramby	430	..	..	..	430	..	No. 14, dated 12th January 1885, and No. 143, dated 28th April 1885.
		Marliamund ..	194	..	..	..	194	..	No. 88, dated 14th March 1885.
		Cairn hill	559	..	..	..	559	..	No. 231, dated 1st December 1884.
		Brook lands ..	177	..	..	..	177	..	No. 15, dated 12th January 1885, and No. 144, dated 28th April 1885.
		Lovedale	296	..	..	..	296	..	No. 141, dated 28th April 1885.
		Craigmore	298	..	..	..	298	..	
		Dodabetta	991	..	..	..	991	..	....
	Ootacamund.	Snowdon	1,053	..	..	..	1,053	..	No. 141, dated 28th April 1885.
		Jakunta	373	..	..	..	373	..	No. 165, dated 8th May 1886.
		Muthanad	420	..	..	..	420	..	No. 84, dated 14th March 1885.
		Governor's shola ..	2,671	..	..	..	2,671	..	No. 14, dated 12th January 1885, and No. 143, dated 28th April 1885.
		Pykara	1,309	..	..	..	1,309	..	No. 14, dated 12th January 1885, and No. 143, dated 28th April 1885.
		Sandynulla ..	818	..	..	..	818	..	No. 89, dated 5th March 1886.
		Kengodu	451	..	..	..	451	..	
		Karpakam	391	..	..	..	391	..	
		Naduvattam slopes.	1,501	..	..	..	1,501	..	....

(c) Excluded at settlement.

District.	Range.	Name of forest.	Area on 1st July 1900. Acres.	Area on 1st July 1900. Equivalent in square miles.	Added during the year. Acres.	Excluded. Acres.	Area on 30th June 1901. Acres.	Area on 30th June 1901. Equivalent in square miles.	Number and date of Notification of addition or exclusion.
		Reserved forests—cont.							
		Vellingiri	643	..	..	..	643	..	No. 89, dated 5th March 1886.
		Kadcoopa	1,622	..	..	..	1,622	..	
		Mukurti	8,953	..	..	..	8,953	..	
		Kundahs	40,379	..	..	..	40,379	..	No. 430, dated 12th November 1886.
		Mikkerubettu ..	1,267	..	..	..	1,267	..	
		Thia shola	1,551	..	..	..	1,551	..	
		Hiria shige ..	2,175	..	..	..	2,175	..	
		Devamalai	229	..	..	..	229	..	No. 213, dated 27th May 1890.
		Honnathalai ..	320	..	..	..	320	..	No. 58, dated 5th March 1886.
		Fern hill shola ..	10	..	..	..	10	..	No. 253, dated 29th May 1891.
		Addition to Fairlawns No. I	22	..	..	..	22	..	
		Addition to Dodabetta No. II.	13	..	..	..	13	..	
		Addition to Doddahulla.	10	..	..	..	10	..	
		Bilikal road ..	25	..	..	..	25	..	
		Red hills	48	..	..	..	48	..	No. 30, dated 15th January 1892.
		Bigulihulla ..	46	..	..	..	46	..	No. 28, dated 15th January 1892.
		Yedakad	117	..	..	..	117	..	No. 29, dated 15th January 1892.
		Keradamund ..	276	..	..	..	276	..	No. 66, dated 13th February 1892.
		Nanjanad and three additions.	915	..	..	..	915	..	No. 272, dated 15th May 1893.
		Hiria shige addition.	851	..	..	..	851	..	No. 258, dated 21st May 1894.
		Porthimund ..	6,983	..	..	..	6,983	..	No. 253, dated 10th May 1894.
The Nilgiris —*cont.*	Ootacamund —*cont.*	Kundah reserve addition No. I. Kundah reserve addition No. III. Kundah reserve addition No. IV.	2,126	..	..	..	2,126	..	No. 239, dated 9th May 1894.
		Kunnur	14	..	..	..	14	..	No. 343, dated 29th June 1894.
		Kengal	14	..	..	..	14	..	No. 279, dated 9th June 1894.
		Bikkepathimund ..	1,945	..	..	..	1,945	..	No. 368, dated 18th July 1894.
		Ebbanad reserve addition.	219	..	..	..	219	..	No. 432, dated 30th August 1894.
		Keraipadu	52	..	..	..	52	..	No. 386, dated 18th August 1898.
		Mullimalai	118	..	..	..	118	..	
		Carritt shola additions I to V.	196	..	..	..	196	..	No. 438, dated 17th September 1898.
		Belarumbuhalla ..	138	..	..	..	138	..	No. 525, dated 14th November 1898.
		Wenlock downs ..	19,814	..	..	..	19,814	..	No. 144, dated 26th March 1900.
		Kulhatti road No. I.	7	..	..	..	7	..	No. 182, dated 20th April 1900.
		Kulhatti road No. II.	4	..	..	..	4	..	
		Kodappamund ..	75	..	..	..	75	..	
		Devalahulla ..	..	..	26	..	26	..	No. 366, dated 11th August 1900.
		Mudidevaramund ..	..	..	163	..	163	..	
		Pakulamund ..	..	..	76	..	76	..	
		Voppan shola ..	..	..	25	..	25	..	
		Athikallu	..	..	49	..	49	..	
		Doddahulla ..	..	..	16	..	16	..	No. 347, dated 23rd July 1900.
		Curzon valley No. II.	..	..	32	..	32	..	No. 11, dated 26th December 1900.
		Avarahuila ..	..	..	121	..	121	..	No. 250, dated 17th May 1900.
		Curzon Valley No. I.	..	..	138	..	138	..	No. 248, dated 17th May 1900.
		Vagappanai addition No. II.	..	..	49	..	49	..	No. 417, dated 10th September 1900.
		Tamugai	..	..	15	..	15	..	
		Ottupattadai ..	..	..	4	..	4	..	
		Blackheath ..	..	..	15	..	15	..	

District.	Range.	Name of forest.	Area on 1st July 1900. Acres.	Area on 1st July 1900. Equivalent in square miles.	Added during the year. Acres.	Excluded. Acres.	Area on 30th June 1901. Acres.	Area on 30th June 1901. Equivalent in square miles.	Number and date of Notification of addition or exclusion.
		Reserved forests—cont.							
The Nilgiris—*cont.*	Ootacamund —*cont.*	Halakarai addition No. I.	..	..	14	..	14	..	No. 525, dated 23rd November 1900.
		Thambarakadavu ..	..	..	23	..	23	..	
		Dolphin reserve addition.	..	..	15	..	15	..	
		Halakarai reserve addition No. II.	..	..	57	..	57	..	
		Kottagai	..	..	10	..	10	..	
		Oland	..	..	5	..	5	..	
		Koderu addition No. II.	..	..	5	..	5	..	
		Koderu addition No. III.	..	..	21	..	21	..	No. 526, dated 23rd November 1900.
		Doddanne	..	..	5	..	5	..	
		Kudia shola No. I.	..	..	9	..	9	..	
		Athigarahatti shola No. I.	..	..	7	..	7	..	
		Seleodai No. II ..	..	..	2	..	2	..	
		Odayaratti	..	..	8	..	8	..	
		Mavada reserve addition.	..	..	93	..	93	..	
		Rajbey	..	..	45	..	45	..	No. 347, dated 23rd July 1900.
		Gathada	..	..	10	..	10	..	
		Ullanni	..	..	7	..	7	..	
		Warwick No. II ..	..	..	12	..	12	..	No. 486, dated 30th October 1900.
		Gudakalhulla No. III.	..	..	54	..	54	..	
		Yettirimara ..	..	..	3	..	3	..	
		Billikottu	..	..	2	..	2	..	
		Okkamandu ..	..	..	3	..	3	..	
		Attukorai	..	..	2	..	2	..	
		Haliada shola ..	..	..	3	..	3	..	
		Mayfield	..	..	7	..	7	..	
		Tiger Lodge ..	..	..	6	..	6	..	
		Aduvamara ..	..	..	25	..	25	..	No. 483, dated 30th October 1900.
		Attuboil reserve addition No. I.	..	..	11	..	11	..	
		Irupporai	..	..	8	..	8	..	
		Umariyatti ..	..	..	3	..	3	..	
		Girigehada ..	..	..	9	..	9	..	
		Kothibettu ..	..	..	18	..	18	..	
		Doddahada ..	..	..	2	..	2	..	
		Kalakattu	..	..	17	..	17	..	
		Vagappanai No. I.	..	..	33	..	33	..	No. 29, dated 8th January 1901.
		Glencairnie ..	..	..	2	..	2	..	
		Sulapani	..	..	37	..	37	..	
		Yedayatti addition No. I.	..	..	11	..	11	..	
		Belthal addition No. I.	..	..	60	..	60	..	
		Attuboil addition No. II.	..	..	54	..	54	..	
		Koliada	..	..	2	..	2	..	
		Girigehada No. II.	..	..	47	..	47	..	No. 129, dated 27th February 1901.
		Osatti addition No. III.	..	..	4	..	4	..	
		Beggada	..	..	57	..	57	..	
		Panaola	..	..	1	..	1	..	
		Beechworth ..	..	..	11	..	11	..	
		Birgundu	..	..	15	..	15	..	
		Kilur	..	..	3	..	3	..	
		Kuranatti	..	..	4	..	4	..	
		Paranjoti	..	..	9	..	9	..	
	Coonoor.	Hulikaldrug ..	6,411	..	..	..	6,411	..	No. 117, dated 23rd March 1886.
		Rallia	189	..	..	..	189	..	No. 81, dated 23rd February 1892.
		Black bridge ..	390	..	..	..	390	..	No. 232, dated 1st December 1884.
		Coonoor peak ..	540	..	..	..	540	..	No. 15, dated 12th January 1885, and No. 144, dated 28th April 1885.
		Lambs Rock ..	708	..	..	..	708	..	No. 276, dated 15th September 1885.

District.	Range.	Name of forest.	Area on 1st July 1900.		Added during the year.	Excluded	Area on 30th June 1901.		Number and date of Notification of addition or exclusion.
			Acres.	Equivalent in square miles.	Acres.	Acres.	Acres.	Equivalent in square miles.	
		Reserved forests—cont.							
		Tiger hill	326	..	..	..	326	..	No. 15, dated 12th January 1885, and No. 144, dated 28th April 1885.
		Ghat reserve ..	247	..	..	..	247	..	Do. do.
		Hill grove	147	..	..	..	147	..	No. 276, dated 15th September 1885.
		Kullar	1,783	..	..	..	1,783	..	Do. do.
		Kotagiri	563	..	..	..	563	..	No. 141, dated 28th April 1885.
		Ithala	460	..	..	..	460	..	No. 117, dated 23rd March 1886.
		Devashola (North and South.)	215	..	..	..	215	..	
		Balakola	935	..	..	..	935	..	....
		Athigarahatti shola.	34	..	..	..	34	..	No. 117, dated 23rd March 1886.
		Sutton shola ..	34	..	..	..	34	..	
		Commandu ..	993	..	..	..	993	..	
		Pembroke	122	..	..	..	122	..	
		Nadukadu halla ..	885	..	..	..	885	..	No. 539. dated 5th December 1890.
		Bettumundu(South)	137	..	..	..	137	..	No. 193, dated 16th April 1891.
		Little Rallia ..	29	..	..	..	29	..	
		Rallia shola ..	30	..	..	..	30	..	
		Halakarai	172	..	..	..	172	..	
		Billithittu	35	..	..	..	35	..	
		Dolphin	65	..	..	..	65	..	
		Guernsey	14	..	..	..	14	..	
		Kadamalai	15	..	..	..	15	..	No. 206, dated 27th April 1891.
		St. Catherines Fall.	124	..	..	..	124	..	
		Constantia ..	35	..	..	..	35	..	
		Tattapalaiyam ..	54	..	..	..	54	..	
		Gudukalhulla ..	299	..	..	..	299	..	
The Nilgiris—*cont.*	Coonoor—*cont.*	Bettu Nos. I and II.	29	..	..	..	29	..	
		Kunnavara additions Nos. I and II.	98	..	..	..	98	..	
		Kannavatti ..	16	..	..	..	16	..	No. 455, dated 15th October 1891.
		Deepdale	361	..	..	..	361	..	
		Gudakal	600	..	..	..	600	..	
		Clyffe	33	..	..	..	33	..	
		Dodabetta Nos. I and II.	105	..	..	..	105	..	
		Sham rock	49	..	..	..	49	..	
		Bikkehatti ..	19	..	..	..	19	..	
		Ittakal Nos. I and II.	21	..	..	..	21	..	
		Mavada	211	..	..	..	211	..	
		Kuttada Nos. I and II.	29	..	..	..	29	..	
		Sundatti	124	..	..	..	124	..	
		Kun shola Nos. I II.	159	..	..	..	159	..	
		Kirkana road Nos. I and II.	24	..	..	..	24	..	
		Kilatti	17	..	..	..	17	..	
		Hadumund ..	48	..	..	..	48	..	
		Uppatti	53	..	..	..	53	..	
		Doddakava ..	62	..	..	..	62	..	
		Uilavanadamund shola.	57	..	..	..	57	..	
		Sinnattu shola ..	51	..	..	..	51	..	
		Longwood reserve addition.	31	..	..	..	31	..	No. 152, dated 12th April 1892.
		Kullar additions Nos. I and II.	72	..	..	..	72	..	No. 206, dated 27th April 1891.
		Benhope No. 2 ..	34	..	..	..	34	..	
		Kallur	388	..	..	..	388	..	
		Honnathalai(South)	214	..	..	..	214	..	No. 152, dated 12th April 1892.
		Rallia	382	..	..	..	382	..	No. 81, dated 23rd February 1892.
		Teppakuchi ..	115	..	..	..	115	..	No. 130, dated 21st March 1892.
		Naduhatti ..	476	..	..	..	476	..	No. 79, dated 23rd February 1892.

District.	Range.	Name of forest.	Area on 1st July 1900.		Added during the year.	Excluded.	Area on 30th June 1901.		Number and date of Notification of addition or exclusion.
			Acres.	Equivalent in square miles.	Acres.	Acres.	Acres.	Equivalent in square miles.	
		Reserved forests—cont.							
		Yercaudhulla Nos. I and II.	18	..	..	..	18	..	No. 113, dated 15th March 1892 and No. 114, dated 15th March 1892.
		Konakarai slopes ..	1,864	..	..	..	1,864	..	No. 152, dated 12th April 1892.
		Vagappanai ..	2,648	..	..	..	2,648	..	
		Denad	2,073	..	..	..	2,073	..	
		Madanad	723	..	..	..	723	..	
		Kodanad valley ..	294	..	..	..	294	..	
		Nidugula	89	..	..	..	89	..	
		Jakkanari slopes ..	6,419	..	..	..	6,419	..	
		Pakasura malai ..	625	..	..	..	625	..	No. 348, dated 1st August 1892.
		Pillar shola ..	39	..	..	..	39	..	
		Kulear	226	..	..	..	226	..	No. 7, dated 19th December 1892.
		Sutton shola addition.	38	..	..	..	38	..	No. 355, dated 29th July 1892.
		Thaimalai shola ..	50	..	..	..	50	..	No. 203, dated 10th May 1892.
		Todar shola	24	..	..	..	24	..	No. 198, dated 10th May 1892.
		Osatti	152	..	..	..	152	..	No. 337, dated 23rd July 1892.
		Rallia reserve addition.	3	..	..	..	3	..	No. 565, dated 28th November 1892.
		Commandu reserve addition.	32	..	..	..	32	..	No. 354, dated 3rd August 1892.
		Toppakuchi addition.	4	..	..	..	4	..	No. 428, dated 7th September 1892.
		Pillur slopes and addition.	3,427	..	..	..	3,427	..	No. 73, dated 15th February 1894.
		Kolakombe ..	753	..	..	..	753	..	No. 268, dated 15th May 1893.
		Melur slopes ..	4,553	..	..	..	4,553	..	No. 235, dated 2nd May 1893.
		Kodera	21	..	..	..	21	..	No. 381, dated 17th July 1893.
The Nilgiris —*cont.*	Coonoor —*cont.*	Ithalar reserve addition.	12	..	..	..	12	..	No. 481, dated 4th September 1895.
		Bikkul	7	..	..	..	7	..	No. 566, dated 25th November 1896.
		Kallakorai	13	..	..	..	13	..	
		Nirkul	8	..	..	..	8	..	
		Araivatti	51	..	..	..	51	..	
		Turbiyalla	13	..	..	..	13	..	
		Vummandu ..	19	..	..	..	19	..	
		Attuboil	7	..	..	..	7	..	
		Vulibattu	15	..	..	..	15	..	
		Belthol	6	..	..	..	6	..	
		Gundada	5	..	..	..	5	..	
		Bulhattihulla ..	18	..	..	..	18	..	
		Hakku	52	..	..	..	52	..	
		Devashola addition.	23	..	..	..	23	..	
		Umarikandi ..	11	..	..	..	11	..	
		Ulimakkai	9	..	..	..	9	..	
		Pattakkarai ..	10	..	..	..	10	..	
		Osatti addition No. I.	63	..	..	..	63	..	
		Osatti addition No. II.	5	..	..	..	5	..	
		Neyatti	14	..	..	..	14	..	
		Bear hill	11	..	..	..	11	..	
		Edaiyatti	7	..	..	..	7	..	
		Katteri	30	..	..	..	30	..	
		Palukkurai ..	4	..	..	..	4	..	
		Bellimara	6	..	..	..	6	..	
		Welbeck No. I ..	6	..	..	..	6	..	
		Do. ,, II ..	28	..	..	..	28	..	
		Do. ,, III ..	19	..	..	..	19	..	
		Kudikadu	39	..	..	..	39	..	
		Upper Katteri ..	13	..	..	..	13	..	
		Pillimolaikorai ..	14	..	..	..	14	..	
		Gundorai	9	..	..	..	9	..	
		Nirburra	179	..	..	..	179	..	No. 287, dated 6th July 1897.
		Arapillai	12	..	..	..	12	..	No. 93, dated 27th February 1890.
		Sampangi	8	..	..	..	8	..	
		Bikkemara	21	..	..	..	21	..	
		Neggilhada ..	17	..	..	..	17	..	

District.	Range.	Name of forest.	Area on 1st July 1900. Acres.	Area on 1st July 1900. Equivalent in square miles.	Added during the year. Acres.	Excluded. Acres.	Area on 30th June 1901. Acres.	Area on 30th June 1901. Equivalent in square miles.	Number and date of Notification of addition or exclusion.
		Reserved forests—cont.							
The Nilgiris—*cont.*	Coonoor—*cont.*	Thogalhatti ..	19	..	..	..	19	..	No. 99, dated 6th March 1899.
		Mokkai	16	..	..	..	16	..	
		Uchukudavu ..	6	..	..	..	6	..	
		Konemaru	11	..	..	..	11	..	
		Selemara	10	..	..	..	10	..	
		Salada	9	..	..	..	9	..	
		Origadala	1	..	..	..	1	..	
		Selekallu	4	..	..	..	4	..	
		Bikkemalai ..	4	..	..	..	4	..	No. 211, dated 1st May 1900.
		Black bridge addition.	3	..	..	..	3	..	
		Uradihali	36	..	..	..	36	..	
		Total ..	249,327	389	4,746	..	254,073	397	
		Reserved lands not transferred to reserved forests during the year.							
	Ootacamund.	Adichathadashola.	..	..	18	..	18	..	No. 323, dated 7th July 1900.
		Kunda reserve addition No. V.	..	..	198	..	198	..	
		Kokthorai reserve No. I.	..	..	43	..	43	..	
		Kokthorai reserve No. II.	..	..	30	..	30	..	
		Melkundah ..	..	..	22	..	22	..	
		Woodcock shola ..	..	..	26	..	26	..	
		Kukal valley ..	..	..	269	..	269	..	No. 364, dated 8th August 1900.
	Coonoor.	Addition to Dodabetta No. I.	..	..	59	..	59	..	No. 378 dated 24th August 1900.
		Denad addition No. I.	..	..	125	..	125	..	
		Turachibettu shola.	..	..	57	..	57	..	
		Kuttakadau odeola No. I.	..	..	5	..	5	..	
		Kuttakadau odeola No. II.	..	..	8	..	8	..	
		Denad addition No. II.	..	..	43	..	43	..	
		Pommanu ..	..	..	48	..	48	..	
		Imbarahatti ..	..	..	2	..	2	..	
		Pambarai No. I ..	..	..	21	..	21	..	
		Kadeola	..	..	32	..	32	..	
		Hadumund addition No. I.	..	..	46	..	46	..	
		Hadumund addition No. II.	..	..	20	..	20	..	
		Curzon valley No. III.	..	..	940	..	940	..	
		Curzon valley No. IV.	..	..	223	..	223	..	
		Denad addition No. III.	..	..	84	..	84	..	
		Sundatti addition.	..	..	35	..	35	..	
		Pambarai No. II ..	..	..	14	..	14	..	
		Attukadavu shola.	..	..	72	..	72	..	
		Seven mile tope ..	..	..	2	..	2	..	
		Warbrecean ..	..	..	18	..	18	..	
		Uppatti shola addition.	..	..	17	..	17	..	
		Kodanad valley shola addition No. I.	..	..	76	..	76	..	
		Kodanad valley shola addition No. II.	..	..	170	..	170	..	
		Sinnatti shola addition.	..	..	308	..	308	..	
		Ulavanadumud shola No. I.	..	..	46	..	46	..	
		Udavanadumud shola No. II.	..	..	16	..	16	..	
		Madanad addition.	..	..	709	..	709	..	
		Addition to Bettu No. II.	..	..	135	..	135	..	
		Addition to Clyff.	..	..	59	..	59	..	

District.	Range.	Name of forest.	Area on 1st July 1900. Acres.	Area on 1st July 1900. Equivalent in square miles.	Added during the year. Acres.	Excluded. Acres.	Area on 30th June 1901. Acres.	Area on 30th June 1901. Equivalent in square miles.	Number and date of Notification of addition or exclusion.
		Reserved lands (not transferred to reserved forests during the year)—cont.							
The Nilgiris —*cont.*	Coonoor—*cont.*	Addition to Konakarai slopes.	..	..	157	..	157	..	No. 378, dated 24th August 1900.
		Odasakadu ..	..	..	47	..	47	..	
		Paruvakkadavu ..	..	..	679	..	679	..	
		Kunneriodai ..	..	..	7	..	7	..	
		Sullikudu No. I ..	..	..	1	..	1	..	
		Do. No. II ..	..	..	307	..	307	..	
		Nedugula addition.	..	..	113	..	113	..	
		Beragani	..	..	1,053	..	1,053	..	
		Mavada addition No. II.	..	..	90	..	90	..	
		Santi.	..	..	16	..	16	..	
		Sandalwood ..	..	..	16	..	16	..	
		Kallur addition ..	..	..	151	..	151	..	
		Alageru Hanni ..	..	..	22	..	22	..	
		Illithorai	..	..	18	..	18	..	
		Koderu addition No. I.	..	..	36	..	36	..	No. 89, dated 16th February 1901.
		Neyyatti addition No. I.	..	..	43	..	43	..	
		Neralimara No. I..	..	..	9	..	9	..	No. 378, dated 24th August 1900.
		Do. No. II.	..	..	2	..	2	..	
		Longwood reserve addition No. II.	..	..	48	..	48	..	
		Toluyammaiyatti ..	..	..	20	..	20	..	
		Mandileru ..	..	..	64	..	64	..	
		Kadamalai No. II.	..	..	18	..	18	..	
		Lady Canning's seat.	..	..	133	..	133	..	
		Audathorai addition No. I.	..	..	35	..	35	..	
		Audathorai addition No. II.	..	..	58	..	58	..	
		Addition to Hill grove.	..	..	3	..	3	..	
		Kunnavara No. III.	..	..	6	..	6	..	
		Area notified in previous years.	59,188	..	..	(*b*) 212 (*c*) 16 (*d*) 1,236	57,724	..	
		Total ..	59,188	..	7,148	1,464	64,872	101	
		Grand Total ..	308,515	..	11,894	1,464	318,945	498	
		Reserved forests.							
North Coimbatore.	Satyamangalam.	Vellamundi ..	10,677	..	..	..	10,677	..	No. 174, dated 20th June 1885.
		Guttialattur ..	128,000	..	..	..	128,000	..	No. 389, dated 4th August 1896.
		Do. Extension.	5,760	..	..	..	5,760	..	No. 135, dated 14th March 1895.
		Nilgiri Eastern slopes.	58,240	..	..	..	58,240	..	Nos. 87, dated 5th March 1886 and 143 dated 22nd April 1886.
	Talamalai.	Talamalai . ..	121,600	..	..	..	121,600	..	No. 435, dated 5th October 1891.
		Do. Extension.	3,840	..	..	..	3,840	..	No. 350, dated 10th July 1894.
	Kollegal.	Chickialuru ..	53,660	..	..	..	53,660	..	No. 257, dated 11th June 1891.
		Doddasampagai ..	60,800	..	..	..	60,800	..	No. 13, dated 19th December 1891.
		Do. Extension.	3,200	..	..	..	3,200	..	No. 457, dated 7th September 1894.
		Guligy	1,120	..	..	..	1,120	..	No. 250, dated 16th May 1898.
		Cowdalli	31,040	..	..	..	31,040	..	No. 24, dated 8th January 1900.
	Bhavani.	Burgur, North ..	119,680	..	..	..	119,680	..	No. 288, dated 29th May 1883.
		Do. South ..	71,680	..	..	..	71,680	..	No. 318, dated 9th June 1893.
		Palamalai	24,320	..	..	..	24,320	..	No. 59, dated 1st February 1894.
	Frode ..	Sennakalpalaiyam 2nd bit.	102	..	..	(*a*) 1	101	..	No. 325, dated 8th July 1892.
		Attamalai	646	..	..	(*a*) 7	639	..	No. 15, dated 10th January 1893.
		Ganapathy	427	..	..	(*a*) 13	414	..	No. 133, dated 8th March 1893.

(*a*) Rectification of area.
(*b*) Initial notification cancelled.
(*c*) Excluded at settlement.
(*d*) Unreserved by Collector.

District.	Range.	Name of forest.	Area on 1st July 1900. Acres.	Area on 1st July 1900. Equivalent in square miles.	Added during the year. Acres.	Excluded. Acres.	Area on 30th June 1901. Acres.	Area on 30th June 1901. Equivalent in square miles.	Number and date of Notification of addition or exclusion.
			Reserved forests—cont.						
North Coimbatore—*cont.*	Erode—*cont.*	Thalavoipatnam ..	407	..	..	(*a*) 99	308	..	No. 182, dated 6th April 1893.
		Sennakalpalaiyam 1st bit.	103	..	(*a*) 1	..	104	..	
		Periyámanimalai ..	963	..	..	(*a*) 37	926	..	No. 412, dated 4th August 1893.
		Uthiyur	1,024	..	..	(*a*) 92	932	..	No. 237, dated 4th May 1894.
		Thottiavadi ..	193	..	..	..	193	..	No. 302, dated 22nd June 1892.
		Vandánmalai ..	1,708	..	..	..	1,708	..	No. 573, dated 6th December 1892.
		Ranganmalai ..							
		Ellapalaiyam ..	196	..	..	..	196	..	No. 565, dated 26th November 1896.
		Vallikaradu ..	281	..	..	..	281	..	
		Arachalur Hill ..	1,086	..	..	..	1,086	..	No. 568, dated 26th November 1896.
		Sullipalaiyam ..	446	..	..	..	446	..	No. 544, dated 7th November 1896.
		Kongampalaiyam ..	510	..	..	..	510	..	No. 215, dated 18th May 1897.
		Virumandampalaiyam.	703	..	(*a*) 4	..	707	..	No. 90, dated 19th February 1898.
		Sinnavirasangili ..	932	..	(*a*) 2	..	934	..	No. 136, dated 12th March 1898.
		Voipadi	462	..	..	(*a*) 19	443	..	No. 145, dated 18th March 1898.
		Vellodu	51	..	..	..	51	..	No. 303, dated 23rd June 1898.
		Kanjikovil	422	..	..	..	422	..	No. 339, dated 16th July 1898.
		Pandiyanpalaiyam.	1,088	..	..	(*a*) 1	1,087	..	No. 338, dated 16th July 1898.
		Thambikailayan ..	273	..	1	..	274	..	No. 430, dated 20th September 1898.
		Attavanai	52	..	..	..	52	..	No. 494, dated 27th October 1898.
		Arachalur plain ..	1,686	..	..	..	1,686	..	No. 558, dated 28th November 1898.
		Sennimalai ..	..	..	1,842	..	1,842	..	No. 222, dated 5th May 1900.
		Total ..	707,378	1,105	1,850	269	708,959	1,108	
			Reserved lands not transferred to reserved forests during the year.						
	Sattiyamangalam.	Barabetta ..	..	..	3,360	..	3,360	..	No. 485, dated 6th November 1900.
		Ullapalaiyam ..	..	..	4,000	..	4,000	..	
		Area notified in previous years.	339,574	..	..	..	339,574	..	
		Total ..	339,574	..	7,360	..	346,934	542	
		Grand Total ..	1,046,952	..	9,210	269	1,055,893	1,650	
			Reserved forests.						
South Coimbatore.	Tunakadavu and Pollachi.	No. I. Tunakadavu reserve including Tekadi leased forest.		..	..	..	..	..	No. 215, dated 27th November 1883.
	Pollachi.	No. II, Punachi reserve.			..	..	..	..	Do.
	Udamalpet ..	No. III. Amaravati.	285,798	..	..	..	285,798	..	Do.
	Tunakadavu, Pollachi and Udamalpet.	No. IV. Anaimalai.			..	..	..	..	No. 16, dated 15th December 1884.
	Bolampatti	Bolampatti No. I.		..	..	..	..	..	No 227, dated 19th November 1884.
		Do. ,, II.		..	..	..	..	..	Do.
		Do. ,, III.		..	..	..	..	..	Do.
	Bolampatti and Mettupalaiyam.	Tadagam ,, IV.		..	..	..	..	..	No. 30, dated 30th January 1885.
		Gopanari ,, V.	119,185	..	..	..	119,185	..	No. 309, dated 4th November 1885.
	Mettupalaiyam.	Kempampalaiyam No. VI.		..	..	..	..	..	Do.
		Nellithorai No. VII.		..	..	..	..	..	Do.

(*a*) Rectification of area.

District.	Range.	Name of forest.	Area on 1st July 1900. Acres.	Area on 1st July 1900. Equivalent in square miles.	Added during the year. Acres.	Excluded. Acres.	Area on 30th June 1901. Acres.	Area on 30th June 1901. Equivalent in square miles.	Number and date of Notification of addition or exclusion.
			Reserved forests—cont.						
South Coimbatore—*cont.*	Bolampatti	Small Sholakarai No. X.	..	..	..	..	..	..	No. 167, dated 17th June 1889.
	Mettupalaiyam	Odanthorai No. VIII.	6,112	..	..	..	6,112	..	No. 309, dated 4th November 1885.
		Modar	5,805	..	..	..	5,805	..	Do.
	Udamalpet	Elayamathur No. V.	762	..	..	..	762	..	No. 253, dated 28th May 1896.
		Dhalli No. VI. ..	630	..	..	..	630	..	No. 382, dated 29th July 1896.
	Bolampatti	Sankararayapuram.	97	..	..	..	97	..	No. 431, dated 17th September 1898.
	Mettupalaiyam	Nellimalai ..	1,882	..	..	..	1,882	..	No. 32, dated 20th January 1900.
		Total ..	420,271	657	..	..	420,271	657	
			Reserved lands not transferred to reserved forests during the year.						
		Area notified in previous years.	303	..	67	..	370	1	
		Grand Total ..	420,574	..	67	..	420,641	658	
			Reserved forests.						
Madura.	Cumbum	Kuttanachiyar ..	3,283	..	..	..	3,283	..	No. 160, dated 30th April 1886.
		Surlippatti ..	4,320	..	..	..	4,320	..	No. 315, dated 9th September 1887.
		Pandarathorai ..	38	..	..	..	38	..	No. 160, dated 30th April 1886.
		Vannathiparai ..	24,557	..	..	..	24,557	..	No. 187, dated 11th October 1883.
		Melagudalur ..	1,293	..	..	..	1,293	..	No. 94, dated 12th March 1886.
		Dhonikaradu ..	1,395	..	..	..	1,395	..	No. 273, dated 15th May 1893.
		Puvathukaradu ..	941	..	..	..	941	..	No. 148, dated 20th March 1893.
		Buthakaradu ..	1,095	..	..	..	1,095	..	No. 603, dated 12th December 1892.
		Kuppuvamadai ..	908	..	..	..	908	..	No. 284, dated 29th June 1897.
		Vellaikaradu ..	442	..	..	..	442	..	No. 208, dated 21st April 1893.
		Suranganur ..	3,616	..	..	..	3,616	..	No. 187, dated 11th October 1883.
		Machakal	2,560	..	..	..	2,560	..	No. 94, dated 12th March 1886.
		Combai	3,840	..	..	..	3,840	..	No. 517, dated 7th November 1892.
		Punnaimuthu karadu.	397	..	..	..	397	..	No. 208, dated 21st April 1893.
		Tambirankanal ..	365	..	..	..	365	..	No. 268, dated 8th September 1885.
		Agamalai	3,674	..	..	..	3,674	..	No. 25, dated 15th January 1894.
		Valkaradu	717	..	..	..	717	..	No. 423, dated 10th August 1893.
		Perumalkovil karadu.	444	..	..	..	444	..	No. 335, dated 27th June 1893.
		Andipatti (Northern).	4,096	..	..	..	4,096	..	No. 276, dated 15th May 1893.
		Andipatti (Southern).	6,394	..	..	..	6,394	..	No. 74, dated 6th February 1900.
	Kodaikanal	Amburivi	10,771	..	..	..	10,771	..	No. 112, dated 11th April 1888.
		Sengalvaraiyar ..	4,608	..	..	..	4,608	..	No. 187, dated 11th October 1883.
		Karungaldonimedu.	2,816	..	..	..	2,816	..	No. 208, dated 20th May 1890.
		Pambar	4,243	..	..	..	4,243	..	No. 187, dated 11th October 1883.
		Adukkam	3,200	..	..	..	3,200	..	No. 340, dated 21st July 1890.
		Murugamalai ..	6,905	..	..	..	6,905	..	No. 389, dated 1st September 1891.

District.	Range.	Name of forest.	Area on 1st July 1900. Acres.	Area on 1st July 1900. Equivalent in square miles.	Added during the year. Acres.	Excluded. Acres.	Area on 30th June 1901. Acres.	Area on 30th June 1901. Equivalent in square miles.	Number and date of Notification of addition or exclusion.
		Reserved forests—cont.							
		Pumbarai	17,594	..	..	..	17,594	..	No. 187, dated 11th October 1883.
		Vilpatty valley ..							
		Velankombai ..	167	..	..	..	167	..	No. 239, dated 22nd August 1885.
		Velankombai plantation.							
		Oliyanutodai ..	4,352	..	..	..	4,352	..	No. 70, dated 28th December 1888.
		Kukal	11,725	..	..	..	11,725	..	No. 187, dated 11th October 1883.
		Kudiraiyar	13,235	..	..	..	13,235	..	
		Karadikuttu ..	957	..	..	..	957	..	No. 537, dated 18th October 1893.
		Manjapatti ..	3,500	..	..	..	3,500	..	No. 443, dated 1st September 1896.
		Perumalmalai ..	7,386	..	..	..	7,386	..	No. 187, dated 11th October 1883. No. 160, dated 30th April 1886 and No. 103, dated 15th February 1887.
		Togavarai shola ..							
		Taliarkad							
		Kodamaravu ..							
		Mulaiyar	2,589	..	..	..	2,589	..	No. 477, dated 27th September 1897.
		Tirumalai shola ..	347	..	..	..	347	..	No. 256, dated 13th September 1888.
		Anagarai shola ..	73	..	..	..	73	..	No. 86, dated 18th February 1899.
Madura —*cont.*	Kodaikanal—*cont.*	Tiger shola and Siradankanal.	1,866	..	..	..	1,866	..	No. 187, dated 11th October 1883.
		Glenfall's shola ..	36	..	..	..	36	..	No. 85, dated 15th February 1896.
		Parappar shola ..	55	..	..	..	55	..	No. 109, dated 4th March 1896.
		Nettle shola ..	16	..	..	..	16	..	
		Kalrankavai shola.	52	..	..	..	52	..	
		Gundar and Manavan.	438	..	..	..	438	..	No. 81, dated 12th February 1896.
		Manavartan kanal.	56	..	..	..	56	..	
		Punnitulam kanal.	16	..	..	..	16	..	No 85, dated 15th February 1896.
		Kundukudu ..	323	..	..	..	332	..	No. 81, dated 12th February 1896.
		Gundarvalley ..	3,988	..	..	..	3,988	..	No. 109, dated 4th March 1896.
		A. Tulkadukaval ..	268	..	..	..	268	..	No. 81, dated 12th February 1896.
		B. Kuttukalkadu ..	36	..	..	..	36	..	
		C. Kolaverikaval ..	36	..	..	..	36	..	
		D. Chendanur ..	443	..	..	..	443	..	No. 85, dated 15th February 1896.
		E. Pukadu ..	242	..	..	..	242	..	
		F. Samikaval ..	1 548	..	..	..	1,548	..	No. 269, dated 4th June 1896.
		G. Kilanvaial ..	568	..	..	..	568	..	No. 85, dated 15th February 1896.
		Gundanshola A ..	335	..	..	..	335	..	No. 438, dated 22nd September 1890. No. 188, dated 11th October 1883.
		Do. B ..							
		Post office Plantation.							
		Pumbarai							
		Maruthanadiar ..	5,523	..	..	..	5,523	..	No. 187, dated 11th October 1883.
		Kadugutadikadu ..	186	..	..	..	186	..	No. 68, dated 28th February 1888.
		Arunkanal ..	1,261	..	..	..	1,261	..	No. 205, dated 20th July 1889.
		Do. shola ..	32	..	..	..	32	..	No. 187, dated 11th October 1883.
		Southern slopes ..	13,344	..	..	..	13,344	..	No. 147, dated 7th April 1891.
	Tangudi.	Unjalnachi ..	576	..	..	..	576	..	No. 54, dated 12th February 1891.
		Varattarkanal ..	160	..	..	..	160	..	No 103, dated 10th February 1887.
		Iruttarkanal ..	100	..	..	..	100	..	No. 103, dated 15th February 1887.
		Mankaradu ..	2,121	..	..	..	2,121	..	No. 172, dated 5th April 1894.
		Pambukalar ..	800	..	..	..	800	..	No. 187, dated 11th October 1883.
		Kokkuparai ..	1,639	..	..	..	1,639	..	No. 536, dated 20th November 1890.

District.	Range.	Name of forest.	Area on 1st July 1900. Acres.	Area on 1st July 1900. Equivalent in square miles.	Added during the year. Acres.	Excluded. Acres.	Area on 30th June 1901. Acres.	Area on 30th June 1901. Equivalent in square miles.	Number and date of Notification of addition or exclusion.
			Reserved forests—cont.						
Madura—*cont.*	Tangudi—*cont.*	Siruvathukadu ..	2,279	..	..	..	2,279	..	No. 187, dated 11th October 1883.
		Northern slopes ..	11,661	..	..	..	11,661	..	No. 553, dated 19th December 1890.
		Vennilai	4,796	..	..	..	4,796	..	No. 187, dated 11th October 1883.
		Kaniyankadu ..	3,002	..	..	..	3,002	..	
		Narchiarkaradu ..	200	..	..	..	200	..	No. 103, dated 15th February 1887.
		Talaiar Andar kovil karadu.	30	..	..	..	30	..	
		Kallar	9,600	..	..	..	9,600	..	No. 217, dated 27th July 1889.
		Ariyanuthukaval ..	64	..	..	..	64	..	No. 93, dated 12th March 1886.
		Kumangovaimalai-kadu.	80	..	..	..	80	..	
		Kadavu shola ..	64	..	..	..	64	..	No. 187, dated 11th October 1883.
		Kuchukaradu ..	1,107	..	..	..	1,107	..	No. 327, dated 12th June 1895.
		Kadavanar ..	159	..	..	..	159	..	No. 188, dated 25th April 1898.
		Umaiyar	..	..	492	..	492	..	No. 170, dated 2nd April 1900.
	Palavedu.	Sengattampatti ..	1,805	..	..	..	1,805	..	No. 188, dated 11th October 1883.
		Kadavakurichi ..	2,959	..	..	..	2,959	..	
		Kachakatti ..	1,261	..	..	..	1,261	..	No. 136, dated 7th April 1891.
		Sembatti hills ..	2,415	..	..	..	2,415	..	No. 185, dated 7th April 1894.
		Waguthumalai ..	6,089	..	..	..	6,089	..	No. 135, dated 3rd April 1891.
		Vattilapatti ..	877	..	..	..	877	..	No. 501, dated 23rd September 1893.
		Mannadimangalam.	560	..	..	..	560	..	No. 328, dated 2nd July 1896.
		Kodimangalam ..	3,256	..	..	..	3,256	..	No. 214, dated 7th May 1898.
		Vikkiramangalam.	3,788	..	..	..	3,788	..	No. 188, dated 11th October 1883.
		Alagar Hill ..	16,838	..	..	..	16,838	..	No. 187, dated 11th October 1883.
		Kiluvamalai ..	2,000	..	..	..	2,000	..	No. 46, dated 22nd January 1892.
		Usilampatti ..	198	..	..	..	198	..	No. 435, dated 28th August 189
		Sanamalai	432	..	..	..	432	..	No. 436, dated 1st September 1896.
		Chembulimalai ..	1,600	..	..	..	1,600	..	No. 191, dated 5th May 1890.
		Mottamalai ..	236	..	..	..	236	..	No. 58, dated 10th February 1891.
		Nedumalai	1,068	..	..	..	1,068	..	No. 450, dated 13th August 1895.
		Nallathevanpatti ..	3,837	..	..	..	3,837	..	No. 147, dated 16th March 1898.
		Sakkimangalam ..	927	..	..	..	927	..	No. 81, dated 2nd February 1897.
		Perumalmalai ..	910	..	..	..	910	..	No. 143, dated 12th March 1894.
		Rajadani	2,688	..	..	..	2,688	..	No. 542, dated 3rd November 1893.
		Valayapatti ..	1,037	..	..	..	1,037	..	No. 529, dated 10th October 1893.
	Kanavoi-patti.	Sirumalai, North-West slopes.	5,794	..	..	..	5,794	..	No. 31, dated 15th January 1900.
		Sirumalai, North-East slopes.	1,079	..	..	..	1,079	..	No. 296, dated 13th June 1896.
		Pappanmalai ..	335	..	..	..	335	..	No. 457, dated 10th September 1896.
		Budagudimalai ..	1,434	..	..	..	1,434	..	No. 204, dated 19th July 1889.
		Pulamalai	909	..	..	..	909	..	No. 59, dated 10th February 1891.
		Karandamalais ..	21,133	..	..	..	21,133	..	No. 453, dated 15th October 1891.
		Karpuravallikuttu.	844	..	..	..	844	..	No. 101, dated 19th March 1886.
		Tenkal	588	..	..	..	588	..	
		Erakkalmalai ..	3,648	..	..	..	3,648	..	No. 72, dated 10th February 1900.
		Mudumalai ..	4,435	..	..	..	4,435	..	No. 187, dated 11th October 1883.

District.	Range.	Name of forest.	Area on 1st July 1900. Acres.	Area on 1st July 1900. Equivalent in square miles.	Added during the year. Acres.	Excluded. Acres.	Area on 30th June 1901. Acres.	Area on 30th June 1901. Equivalent in square miles.	Number and date of Notification of addition or exclusion.
		Reserved forests—cont.							
Madura—*cont.*	Kannavoi-patti—*cont.*	Pillaiyarnattam ..	5,484	..	..	..	5,484	..	No. 188, dated 11th October 1883.
		Panjantangi Hills.	7,168	..	..	..	7,168	..	No. 463, dated 14th October 1891.
		Tannirkaradu ..	966	..	..	..	966	..	No. 101, dated 19th March 1886.
		Sundamalai ..	409	..	..	..	409	..	
		Pannamalai ..	1,159	..	..	..	1,159	..	No. 169, dated 29th March 1893.
		Mungilkaradu ..	1,697	..	..	..	1,697	..	No. 268, dated 6th June 1896.
		Methugamalai ..	2,092	..	..	..	2,092	..	No. 244, dated 4th June 1897.
		Nedunkuttu ..	916	..	..	..	916	..	No. 184, dated 7th April 1894.
		Chinnapattikaradu.	680	..	..	..	680	..	No. 459, dated 8th September 1896.
		Kodangikuttu ..	3,232	..	..	..	3,232	..	No. 140, dated 12th March 1894.
		Valacheripatti hills.	1,119	..	..	..	1,119	..	No. 295, dated 9th June 1894.
		Karumalai	1,897	..	..	..	1,897	..	No. 173, dated 4th April 1894.
		Vellimalai Nedumalai.	982	..	..	..	982	..	No. 471, dated 13th September 1896.
		Kaluvadimalai ..	634	..	..	..	634	..	No. 555, dated 4th November 1893.
		Rangamalai ..	967	..	..	..	967	..	No. 162, dated 20th March 1894.
		Karumalai ..	2,004	..	..	..	2,004	..	No. 90, dated 22nd February 1896.
	Palamedu and Kannavoi-patti.	Sirumalai	21,785	..	..	..	21,785	..	No. 187, dated 11th October 1883.
		Perumalai	6,112	..	..	..	6,112	..	No. 245, dated 9th June 1890.
		Total ..	382,241	597	492	..	382,733	598	
		Reserved lands not transferred to reserved forests during the year.							
		Area notified in previous years.	8,473	..	..	..	8,473	13	
		Grand Total ..	390,714	..	492	..	391,206	611	
		Reserved forests.							
Tinnevelly.	Nángunéri	Reserve No. I ..	28,794	..	..	..	28,794	..	No. 11, dated 20th December 1883.
		Teak tract ..	284	..	..	..	284	..	No. 165, dated 10th June 1889.
		Block No. II (*a*) ..	22,323	..	..	..	22,323	..	No. 533, dated 27th November 1890.
		Mahendragiri ..	34	..	..	..	34	..	No. 249, dated 18th May 1893.
		Vannamutti ..	2	..	..	..	2	..	No. 194, dated 25th April 1893.
	Ambá-samud-ram.	Reserve No. II ..	67,533	..	..	..	67,533	..	No. 11, dated 20th December 1883.
		Block No. II (*a*) ..	3,187	..	..	..	3,187	..	No. 534, dated 27th November 1890.
		Block No. II (*b*) ..	19,539	..	..	..	19,539	..	
		Kolundumamalai ..	1,540	..	..	..	1,540	..	No. 88, dated 17th February 1890.
		Manpothai ..	1,242	..	..	..	1,242	..	No. 511, dated 8th November 1893.
	Tenkási ..	Reserve No. III ..	17,574	..	..	..	17,574	..	No. 11, dated 20th December 1883.
		Kavalkuttuparamba	371	..	..	..	371	..	No. 303, dated 24th October 1889.
		Chinnakadu as decided in Mr. Baber's decision of claims on Inamdars.	1,389	..	..	..	1,389	..	No. 248, dated 9th June 1890.
		Kottamalai ..	883	..	..	..	883	..	No. 304, dated 24th October 1889.

District.	Range.	Name of forest.	Area on 1st July 1900. Acres.	Area on 1st July 1900. Equivalent in square miles.	Added during the year. Acres.	Excluded. Acres.	Area on 30th June 1901. Acres.	Area on 30th June 1901. Equivalent in square miles.	Number and date of Notification of addition or exclusion.
			Reserved forests—cont.						
Tinnevelly.	Tenkási ..	Block No. III (*a*) ..	678	..	..	..	678	..	No. 178, dated 15th April 1891.
		Do. „ III (*b*) ..	554	..	..	..	554	..	
		Do. „ III (c_1) ..	582	..	..	..	582	..	
		Do. „ III (c_2) ..	1,171	..	..	..	1,171	..	
		Do. „ III (*d*) ..	531	..	..	..	531	..	
		Nelliyuthu ..	73	..	..	..	73	..	No. 281, dated 6th June 1898.
		Shermalai ..	28	..	..	..	28	..	
		Alakanandal ..	62	..	..	..	62	..	
		Extension block No. 3 to Kourtallam reserve No. III.	..	..	145	..	145	..	No. 231, dated 5th May 1900.
		Extension block No. 2 to Kourtallam reserve No. III.	..	..	1,947	..	1,947	..	No. 179, dated 16th March 1901.
		Extension to Krishnapuram reserve.	..	..	1,698	..	1,698	..	No. 156, dated 14th March 1901.
	Sankaranayinárkóyil.	Reserve No. IV ..	16,038	..	..	..	16,038	..	No. 11, dated 20th December 1883.
	Courtallam.	Block No. IV (*a*) ..	10,496	..	..	..	10,496	..	No. 230, dated 30th July 1889.
		Chintamani ..	322	..	..	..	322	..	No. 237, dated 19th May 1899.
	Srivilliputtúr.	Reserve No. V ..	14,797	..	..	..	14,797	..	No. 11, dated 20th December 1883.
		Unnipothimalai ..	550	..	..	..	550	..	No. 230, dated 30th July 1889.
		Sappaniparambu ..	384	..	..	..	384	..	No. 311, dated 24th October 1889.
		Pulpathibaramba ..	51	..	..	..	51	..	No. 312, dated 24th October 1889.
		Kothankulam ..	551	..	..	..	551	..	No. 214, dated 27th May 1890.
		Block No. V (*a*) ..	28,173	..	..	..	28,173	..	No. 175, dated 13th April 1891.
		Valaikulamparamba	1,146	..	..	..	1,146	..	No. 335, dated 23rd July 1891.
		Khansapuram ..	536	..	..	..	536	..	No. 383, dated 22nd August 1899.
	Tinnevelly	Kalayuthu ..	891	..	..	..	891	..	No. 150, dated 7th April 1891.
		Do. block A.	19	..	..	..	19	..	No. 368, dated 4th August 1896.
		Do. block B.	475	..	..	..	475	..	
		Sivalaperi ..	213	..	..	..	213	..	No. 149, dated 7th April 1891.
		Wolf Hill ..	848	..	..	..	848	..	No. 474, dated 11th September 1896.
		Melapattam ..	1,000	..	..	..	1,000	..	No 588, dated 3rd December 1897.
		Gengaikondan ..	1,391	..	..	..	1,391	..	No. 363, dated 2nd August 1898.
	Srivaikuntam.	Panamparai ..	117	..	..	..	117	..	No. 111, dated 20th April 1889.
		Kaliyavoor ..	158	..	..	..	158	..	No. 197, dated 6th July 1889.
		Kottamadakikadu ..	1,279	..	..	..	1,279	..	No. 306, dated 24th October 1889.
		Lands adjoining Kottamadakikadu block No. I.	7	..	..	..	7	..	No. 437, dated 3rd September 1896.
		Lands adjoining Kottamadakikadu block No. III.	47	..	..	..	47	..	
		Lands adjoining Kottamadakikadu block No. IV.	12	..	..	..	12	..	
		Lands adjoining Kottamadakikadu block No. V.	449	..	..	..	449	..	No. 359, dated 24th July 1897.

District.	Range.	Name of forest.	Area on 1st July 1900.		Added during the year.	Excluded.	Area on 30th June 1901.		Number and date of Notification of addition or exclusion.
			Acres.	Equivalent in square miles.	Acres.	Acres.	Acres.	Equivalent in square miles.	
		Reserved forests—cont.							
Tinnevelly—*cont.*	Srivaikuntam—*cont.*	Vallanad ..	4,659	..	..	..	4,659	..	No. 465, dated 14th October 1891.
		Lands adjoining Vallanad block A I.	3	..	..	..	3	..	No. 390, dated 3rd August 1896.
		Lands adjoining Vallanad block A II.	420	..	..	..	420	..	
		Lands adjoining Vallanad block A III.	6	..	..	..	6	..	
		Kudiraimoliteri ..	13,326	..	..	..	13,326	..	No. 309, dated 21st June 1892 and No. 156, dated 21st March 1896.
	Ottappidáram.	Virisaṃpatti ..	294	..	..	..	294	..	No. 133, dated 24th March 1890.
		Milavittan ..	584	..	..	..	584	..	No. 271, dated 17th June 1891.
		Total ..	267,616	418	3,790	..	271,406	424	
		Reserved lands not transferred to reserved forests during the year.							
	Srívilliputtúr.	Aruguli tope ..	..	..	336	..	336	..	No. 73, dated 5th February 1901.
		Area notified in previous years.	2,843	..	..	..	2,843	..	
		Total ..	2,843	..	336	..	3,179	5	
		Grand Total ..	270,459	..	4,126	..	274,585	429	

Appendix A.—District areas and Forest reserves.

District.	Total district area excluding feudatory and tributary states.	Area excluding zamindari and inam villages.	Occupied area.	Particulars of remaining area (column 3 — column 4).			Reserved forests and reserved lands.			Percentage of column 10 to column 3.	Percentage of column 10 to column 7.
				Unoccupied, culturable, uncultivable and forest areas.	Areas for which returns are not available.	Total of columns 5 and 6.	Reserved forests under Act V of 1882.	Reserved lands.	Total of reserves-columns 8 and 9.		
1	2	(e) 3	4	5	6	7	8	9	10	11	12
Northern Circle.	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.		
Ganjám	8,369	4,437	618	1,135	2,684	3,819	501	39	540	12·17	14·13
Vizagapatam	17,242	1,380	268	512	600	1,112	224	120	344	24·92	30·93
Gódávari	7,857	(a)(b) 3,991	1,589	2,402	..	2,402	951	1	952	23·85	39·63
Kistna	8,498	5,621	(f) 3,188	2,251	(f) 182	2,433	839	229	1,068	19·00	43·89
Kurnool	7,514	(a)(c) 6,659	2,034	4,625	..	4,625	2,232	539	2,771	41·61	59·91
Bellary	5,696	(a) 4,642	2,703	1,939	..	1,939	545	86	631	13·59	32·54
Anantapur	5,563	4,701	1,981	2,696	24	2,720	508	2	510	10·84	18·75
Total ..	60,739	31,431	12,381	15,560	3,490	19,050	5,800	1,016	6,816	21·68	35·77
Central Circle.											
Cuddapah	8,723	(a) 7,570	2,105	5,465	..	5,465	2,129	308	2,437	32·19	44·59
Nellore	8,765	4,074	1,742	2,319	13	2,332	698	68	766	18·80	32·84
Chingleput	3,092	2,051	1,032	1,009	10	1,019	213	1	214	10·43	21·00
North Arcot	7,365	3,912	1,362	2,544	6	2,550	1,196	38	1,234	31·54	48·39
South Arcot	5,216	4,747	2,432	2,242	73	2,315	693	12	705	14·85	30·45
Salem	7,529	5,391	2,158	3,233	..	3,233	1,323	258	1,581	29·32	48·90
Trichinopoly	8,631	2,685	1,662	1,009	14	1,023	264	52	316	11·76	30·88
Tanjore	3,706	2,487	1,782	690	15	705	18	..	18	0·72	2·55
Total ..	48,027	32,917	14,275	18,511	131	18,642	6,534	737	7,271	22·08	39·00
Southern Circle.											
South Canara	3,902	3,883	709	3,174	..	3,174	647	443	1,090	28·07	34·34
Malabar	(d) 5,630	(a) 5,602	1,598	4,004	..	4,004	424	94	518	9·24	12·93
The Nilgiris	957	957	305	652	..	652	397	101	498	52·03	76·38
Coimbatore	7,860	7,176	3,879	3,297	..	3,297	1,765	543	2,308	32·16	70·00
Madura	8,813	(a) 3,245	1,684	1,561	..	1,561	598	13	611	18·82	39·14
Tinnevelly	5,389	3,567	2,297	1,264	6	1,270	424	5	429	12·02	33·78
Total ..	32,551	24,430	10,472	13,952	6	13,958	4,255	1,199	5,454	22·32	39·07
Grand Total ..	141,317	88,778	37,128	48,023	3,627	51,650	16,589	2,952	19,541	22·01	37·83

Note.—The figures in columns 2 to 7 were furnished by the Settlement Department of the Board of Revenue.

(a) Area by village papers has been adopted, as it is in excess of the survey area.
(b) Increase due to resurvey area having been adopted.
(c) The decrease is reported to be due to correction of error.
(d) The increase is due to the resurvey area having been adopted for the Ponnani taluk.
(e) The figures in column 3 are exclusive of the area of minor inams in Government villages.
(f) The decrease in column 4 and the increase in column 6 are due to a decrease in the area by village papers owing to resurvey.

Appendix B.—Reserved forests in square miles.

Districts.	Up to 1899–1900.	During 1899–1900.	During 1900–1901.	Total.
1	2	3	4	5
Northern Circle.	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.
Ganjám	415	72	13	501
Vizagapatam	142	79	3	224
Gódávari	866	78	7	951
Kistna	748	55	36	839
Kurnool	2,004	71	(a) + 155 2	2,232
Bellary	476	(a) + 37 10	22	545
Anantapur	500	7	1	508
Total ..	5,151	410	239	5,800
Central Circle.				
Cuddapah	1,855	173	101	2,129
Nellore	652	15	31	698
Chingleput	210	..	3	213
North Arcot	1,169	(a) — 15 1	13	1,196
South Arcot	685	..	8	693
Salem	1,237	(b) — 21 1	(a) — 72 6	1,323
Trichinopoly	216	24	24	264
Tanjore	18	..	..	18
Total ..	6,042	246	246	6,534
Southern Circle.				
South Canara	284	213	150	647
North Malabar	159	..	42	201
South Malabar	190	..	33	223
The Nilgiris	358	31	8	397
North Coimbatore	1,061	(b) — 49 4	2	1,108
South Coimbatore	654	3	..	657
Madura	572	25	1	598
Tinnevelly	417	1	6	424
Total ..	3,695	318	242	4,255
Grand Total ..	14,888	974	727	16,589

(a) Rectification of area. (b) Declared unreserved.

FORM No. 45.

STATEMENT showing the Progress made in, and the Expenditure incurred on, Forest Settlements during 1900–1901.

* FORM

Forest

STATEMENT showing the Progress made in, and the Expenditure

Name of forest district.	Area already settled at commencement of year.	Areas finally settled during the year.					
		Number and date of Government Order according final sanction to the settlement.	Name of forest settled.	Area.	Expenditure incurred during the year on areas finally settled.		Entire cost per square mile of areas finally settled during the year.
					In forest accounts.	In other accounts.	
1	2	3	4	5	6	7	8
							NORTHERN
	SQ. MLS.			SQ. MLS.	RS. A. P.	RS.	RS. A. P.
Ganjám ..	488	No. 688, dated 11th July 1900.	Chatrapúr	1	..	..	..
		No. 1034, dated 10th October 1900.	Dhumi Dhumi	4	..	..	..
		No. 106, dated 13th February 1901.	Rankuhanumanthapuram ..	2	..	..	..
		No. 233, dated 18th March 1901.	Baniamari	6	..	..	..
		No. 545, dated 27th June 1901.	Chandragiri (*a*) (*b*)	..	..	..	..
			Total ..	13	..	..	..
Vizagapatam.	221	No. 712, dated 18th July 1900.	Sithakhandi	3	..	..	..
		No. 350, dated 1st May 1901.	(*a*) Barnakonda including Mulalanka and Gadilavalasa.	21	..	..	..
			Total ..	24	..	..	..
Godávari ..	944	No. 663, dated 7th July 1900.	Barrikonda Extension	1	..	..	15 14 7
		No. 895, dated 30th August 1900.	Ultima Thule	4	..	..	
		No. 1189, dated 1st December 1900.	Ramasingavaram Extension ..	2	111 6 1	..	
			Total ..	7	111 6 1	..	15 14 7
Kistna ..	810	No. 875, dated 24th August 1900.	Gamalapad	2·25	..	1,901	..
		No. 913, dated 3rd September 1900.	Guttikonda Extension No. 4 ..	1·20	..		
		No. 1033, dated 9th October 1900.	Kakirala Extension No. 5 ..	5·70	..		
		No. 1066, dated 16th October 1900.	Jaggayyapeta Extension No. 5	1·06	..		
		Do.	Do. do. ,, 6				
		No. 1157, dated 17th November 1900.	Kakirala Extension No. 3 ..	1·98	..		
		No. 2, dated 8th January 1901.	Mutukur Extension No. 5 ..	2·05	..		
		No. 3, dated 8th January 1901.	Piduguralla	1·53	..		
		No. 34, dated 17th January 1901.	Venkatayapalem Extention No. 1.	1·06	..		
		No. 47, dated 21st January 1901.	Balasupad	3·09	..		
		No. 116, dated 12th February 1901.	Jaggayyapet Extension No. 7.	0·47	..		
		No. 149, dated 27th February 1901.	Kottapalem do. ,, 1.	3·36	..		
		No. 202, dated 14th March 1901.	Konanki do. ,, 2.	1·44	..		

(*a*) Reservation takes effect subsequent to 1900–1901. (*b*) Below one square mile.

No. 45.

Department.

incurred on, Forest Settlements during 1900–1901.

Areas undergoing settlement.						
At commencement of the year.		Taken in hand during the year.		Expenditure incurred during the year on areas undergoing settlement.		Estimate of areas in which settlement operations have not yet commenced.
Name of tract.	Area.	Name of tract.	Area.	In forest accounts.	In other accounts.	
9	10	11	12	13	14	15
CIRCLE.						
	SQ. MLS.		SQ. MLS.	RS.	RS. A. P.	SQ. MLS.
Kriyamba	37	Darpangiya reserve Extensions Nos. I and II.	2	647	..	22
Total ..	37	Total ..	2	647	..	
Kadagandi	16	Saruguiu blocks Nos. 1 and 2.	27	..	..	
		Palkonda	7	..	..	49
Total ..	16	Total ..	34	..	..	
....	..	Darbhagudem Extension ..	1	..	..	45
Total ..	..	Total ..	1	..	..	
Muppalla	7·64	Bandar Fort Extension No. 3.	3·66			
Kandlakunta Extension No. 1.	25·08	Yilachetladibba Extension No. 1.	0·73			
Pasvemula do. „ 9.	0·79	Nachugunta block No. II ..	4·34			
Kakirala do. „ 4.	3·07	Kodur Parra	9·87			
Mandadi	9·74	Bandar Fort Extension No. 4.	20·25			
		Kadavakuduru	2·11			
		Dindi Extension No. 1 ..	0·55			
		Motupalli	1·03			
		Kottur Extension No. 3 ..	0·34			
		Kondapalli Extension No. 4 ..	0·98			
		Kottur Extension No. 4 ..	0·21			
		Ramannapeta	0·81	4,436	..	70
		Jaggaiyapeta Extension No. 4.	0·14			
		Do. do. „ 2.	0·57			
		Venkatayapalem Extension No. 4.	2·13			
		Venkatayapalem Extension No. 5.	6·49			
		Venkatayapalem Extension No. 8.	3·36			
		Venkatayapalem Extension No. 10.	2·50			
		Kuntimaddi	1·20			
		Vemavaram Extension No. 1	0·47			

Statement showing the Progress made in, and the Expenditure

Name of forest district.	Area already settled at commencement of year.	Areas finally settled during the year.					
		Number and date of Government Order according final sanction to the settlement.	Name of forest settled.	Area.	Expenditure incurred during the year on areas finally settled.		Entire cost per square mile of areas finally settled during the year.
					In forest accounts.	In other accounts.	
1	2	3	4	5	6	7	8
							NORTHERN
	SQ. MLS.			SQ. MLS.	RS.	RS.	RS. A. P.
		No. 207, dated 14th March 1901.	Guttikonda Extension No. 8.	1·25	..		
		No. 244, dated 21st March 1901.	Darvemula do. ,, 1.	0·91	..		
		No. 282, dated 4th April 1901.	Goli Extension	1·01	..		
		No. 395, dated 17th May 1901.	(a) Kottur Extension No. 1 ..	0·94	..		
		No. 398, dated 17th May 1901.	(a) Kandlagunta Extension No. 2.	2·13	..		
		No. 426, dated 24th May 1901.	(a) Venkatayapalem Extension No. 11.	0·51	..		
		No. 440, dated 30th May 1901.	(a) Guttikonda Extension No. 10.	3·93	..		
		No. 441, dated 30th May 1901.	(a) Daida	4·47	..	1,901	..
		No. 462, dated 5th June 1901.	(a) Nilayapalem	3·68	..		
			Gangalagunta Extension No. 1.	2·24	..		
			Paluvayi	1·20	..		
			Gokanakonda Extension No. 1.	1·65	..		
			Nagarajupalli Extension No. 1.	1·16	..		
			Ganjám	7·01	..		
			Venkatayapalem Extension No. 9.	0·69	..		
			Mukteswaram	1·06	..		
			Ipurupalem	7·95	..		
			Chirala	0·99	..		
			Total ..	67·97	..	1,901	..
Kurnool ..	2,077	No. 640, dated 2nd July 1900.	Nandyal addition No. 2 ..	20	..	..	..
			Ernipad				
		No. 1105, dated 1st November 1900.	Eastern Nallamalai block No. 3.	48	3	..	..
		No. 1245, dated 20th December 1900.	Giddalur blocks Nos. 1 and 2..	23	11	..	..
		No. 214, dated 15th March 1901.	Velugode	54	..	..	..
		No. 241, dated 20th March 1901.	Nandyal addition No. 1 ..	10	..	..	..
			(Gazulapalli)				
			Total ..	155	14	73	..
Bellary ..	533	No. 1031, dated 9th October 1900.	Metriki	8	177	1,524	..
		No. 1247, dated 20th December 1900.	Gundu extension	4			
		No. 492, dated 11th June 1901.	(a) Bandri Extension	1	..	..	..
			Total ..	13	177	1,524	..
Anantapur ..	507	No. 1127, dated 5th November 1900.	Ravudi	1	66	..	..

(a) Reservation takes effect subsequent to 1900–1901.

incurred on, Forest Settlements during 1900–1901—*cont.*

Areas undergoing settlement.						Estimate of areas in which settlement operations have not yet commenced.
At commencement of the year.		Taken in hand during the year.		Expenditure incurred during the year on areas undergoing settlement.		
Name of tract.	Area.	Name of tract.	Area.	In forest accounts.	In other accounts.	
9	10	11	12	13	14	15
	SQ. MLS.		SQ. MLS.	RS.	RS.	SQ. MLS.
CIRCLE—*cont.*						
		Tangeda Extension No. 3 ..	1·13			
		Pillutla	4·47			
		Tangeda Extension No. 4 ..	0·12			
		Venkatayapalem Extension No. 2.	2·98			
		Govindupuram	2·91			
Total ..	46·32	Total ..	73·35	4,436	..	
Panem	46	Eastern Nallamalai block No. 8.	4	332		29
Gani	88	Eastern Nallamalai block No. 9.	7	..		
Eastern Nallamalai block No. 4.	44	Eastern Nallamalai block No. 11.	8	58		
Eastern Nallamalai block No. 5.	14	Eastern Nallamalai block No. 12.	6	..		
		Eastern Nallamalai block No. 13.	3	..		
		Devagudipad	5	..		
		Oddapalli	2	..	233	
		Kottakota	1	..		
		Podilla				
		Pyapalli extension No. I ..	3	..		
		Do. ,, II ..	5	..		
		Tekulakonda extension No. I.	2	..		
		Do. ,, II.				
		Mettupalli No. I	3	..		
		Nallamekalapalli	1	..		
Total ..	192	Total ..	50	390	* 233	
Chintapalli, South	2	Chikkantapuram	3	..	..	54
		Nandibanda	7	..	..	
		Hirehal A and B	4	..	..	
		Bodinakallu	4	..	..	
		Hyarada Extension	3	..	..	
Total ..	2	Total ..	21	..	..	
Kaki						
Kodihalli block No. I ..	2	....	..	19	..	
Do. ,, II ..						
Do. ,, III ..						

* Amount spent by the Forest Settlement-officer.

Statement showing the Progress made in, and the Expenditure

Name of forest district.	Area already settled at commencement of year.	Areas finally settled during the year.					
		Number and date of Government Order according final sanction to the settlement.	Name of forest settled.	Area.	Expenditure incurred during the year on areas finally settled.		Entire cost per square mile of areas finally settled during the year.
					In forest accounts.	In other accounts.	
1	2	3	4	5	6	7	8
	SQ. MLS.			SQ. MLS.	RS.	RS.	RS. A. P.
CENTRAL.							
Cuddapah ..	2,058	No. 817, dated 11th August 1900.	Cheyur Extension	12	..	..	..
		No. 829, dated 15th August 1900.	Gottimanikona Extension ..	3	..	..	..
		No. 1011, dated 4th October 1900.	Turupukonda Extension ..	35	..	..	..
		No. 1202, dated 5th December 1900.	Kanchalamoram Extension ..	19	..	..	..
		No. 1248, dated 20th December 1900.	Gorivikanama Extension ..	2	..	..	..
			TOPES.				
		No. 247, dated 21st March 1901.	Periyavaram	(b)	..	..	..
		Do.	Badvel				
		Do.	Vothimadugu				
		Do.	Kodur				
		Do.	Pulivendla				
		Do.	Kadiri				
		Do.	Kurli				
		Do.	Kalakadu				
		No. 396, dated 17th May 1901.	(a) Kodur				
		Do.	(a) Gundlur				
		No. 461, dated 5th June 1901.	(a) Sidhout				
		Do.	(a) Venkatapuram				
		Do.	(a) Obuladevaracheruvu ..				
			Total ..	71	..	..	..
Nellore ..	667	No. 204, dated 14th March 1901.	Peda Alavalapad	1⅔	431	..	..
		No. 1158, dated 19th November 1900.	Ayyavaripalli	1¾	..	..	..
		No. 32, dated 17th January 1901.	Musunur	1	..	..	..
		No. 684, dated 10th July 1900.	Mogilicherla West	1⅛	..	..	..
		No. 828, dated 15th August 1900.	Raviguntapalli	1⅞	..	..	..
		No. 664, dated 7th July 1900.	Mogilicherla North	1¾	..	..	..
		No. 206, dated 14th March 1901.	Nandanavanam block B Extension C.	½	..	..	..
		No. 162, dated 28th February 1901.	Chinna Annalur Extension ..	3	..	..	..
		No. 541, dated 1st June 1900.	Dagadarti Extension ..	1¼	..	..	..
		No. 993, dated 6th September 1900.	Vavveru Extension	1	..	..	..
		No. 332, dated 7th April 1900.	Kakivaya	3⅞	..	..	..
		No. 963, dated 15th September 1900.	Marlapudi A and B Extensions No. 1.	1	..	..	..
		No. 1195, dated 1st December 1900.	South Mopur Extension ..	1	..	..	..
		No. 1243, dated 19th December 1900.	Badvel	1¾	..	..	..
		No. 964, dated 15th September 1900.	Potegunta Extension	½	..	..	..
		No. 1225, dated 13th December 1900.	Turpukambampad Extensions A and B.	2	..	..	..

(b) Below one square mile.

incurred on, Forest Settlements during 1900–1901—*cont.*

Areas undergoing settlement.						Estimate of areas in which settlement operations have not yet commenced.
At commencement of the year.		Taken in hand during the year.		Expenditure incurred during the year on areas undergoing settlement.		
Name of tract.	Area.	Name of tract.	Area.	In forest accounts.	In other accounts.	
9	10	11	12	13	14	15

CIRCLE.

	SQ. MLS.		SQ. MLS.	RS.	RS.	SQ. MLS.
		TOPES.				
Idupalapaya Extension Nos. I and II.	21	Chintagunta			..	
Ganganapalli Extension ..	60	Pottipad			..	
Sangasamudram	8	Kondúr A and B			..	
Palkonda Extension	49	Diguvapatnam			..	
Papepalli Extension, East and West.	17	Thalla Proddatur	1	Rs. 2,035-15-11.	..	42
Seshachalam Extension D ..	26	Appayapalli			..	
Do. do. A ..	60	Danyanicheruvu			..	
Yellutla Extension A ..	5	Sydapuram			..	
Kondapuram	19	Guvalacheruvu			..	
Gadikota Extension		Gundlabhavi			..	
Total ..	265	Total ..	1	..	..	
Inimerla	6¾	Kanuparti casuarina plantation Extension.	1⅓	31	..	1
Peda Irlapad	11					
Nandyanam block B extension A.	1¾					
Penubarti	2½	Chinna Annalur A tope ..				
Dachur	3	Do. B ,, ..				
Birdavole Extension	½	Do. C ,, ..				
Vadlapudi Extension	⅓	Do. D ,, ..	½			
Marupur Extension	1	Do. E ,, ..				
Totala Cheruvupalli	2¼	Do. F ,, ..				
Guvadi East	2½	Brahmanakraka				
Do. West	2¾	Timmasamudram tope ..	½			
Bairavaram	2¾	Vidavalur tope				
Udayagiri-Veligonda block A Extension.	2¼	Kodur tope				
Udayagiri-Veligonda block B Extension.	2	Nallapallem	3			
		Devaravemur A tope				
		Do. B ,, ...				
		Kakakivoya tope	1¼			
		Survepalli Extension ..	1½			

Statement showing the Progress made in, and the Expenditure

Name of forest district.	Area already settled at commencement of year.	Areas finally settled during the year.					
		Number and date of Government Order according final sanction to the settlement.	Name of forest settled.	Area.	Expenditure incurred during the year on areas finally settled.		Entire cost per square mile of areas finally settled during the year.
					In forest accounts.	In other accounts.	
1	2	3	4	5	6	7	8
							CENTRAL.
	SQ. MLS.			SQ. MLS.		RS.	RS. A. P.
Nellore—*cont.*	667	No. 806, dated 8th August 1900.	Nernur Extension A	1½	..	..	..
		No. 210, dated 14th March 1901.	Yetur	3½	..	..	..
		No. 8, dated 8th January 1901.	Chittalur	1	..	..	..
			Total ..	31	..	..	13 14 5
Chingleput.	210	No. 801, dated 8th August 1900	Marudam	2·05	..	..	..
		No. 965, dated 15th September 1900.	Nanmangalam extension II ..	·31	..	..	..
		No. 242, dated 20th March 1901.	Maiyar	·44	..	..	..
			Total ..	2·80	..	..	..
North Arcot.	1,183	No. 456, dated 11th May 1900.	Tachambadi tope	13·11	61	..	..
		No. 534, dated 31st May 1900.	Virlabanda				
		No. 1084, dated 25th October 1900.	Ponnai anicut tope				
		No. 1128, dated 5th November 1900.	Vallam tope				
		No. 288, dated 4th April 1901.	Pallelakuppam Extension A and B.				
			Total ..	13·11	61	..	..
South Arcot.	685	No. 988, dated 26th September 1900.	(*a*) Damarakadu	9	..	..	..
		No. 1174, dated 23rd November 1900.	Pinjur	8	..	..	..
		No. 245, dated 21st March 1901.	Sankarapuram south	(*b*)	..	..	..
		Do.	Sankarapuram north				
		Do.	Puttai				..
			Total ..	17	..	..	..
Salem ..	1,250	No. 54, dated 25th January 1901.	Kurichi	5·33	..	..	..
		No. 54, dated 25th January 1901.	Velampatti	7·64			
		No. 962, dated 15th September 1900.	Pattimedu Extension	3·56			
		No. 31, dated 17th January 1901.	Chitlingi ,, ...	4·58			
		No. 158, dated 28th February 1901.	Karungal	8·11			
		No. 996, dated 28th September 1900.	Kouramalai	9·01			
		No. 473, dated 16th May 1900.	Onnakarai	5·72			
		No. 594, dated 19th June 1900.	Nagaluthu Extension	2·12			
		No. 911, dated 3rd November 1900.	Barigam, A & B	25·97			
		No. 424, dated 24th May 1901.	Pani (*a*)	27·75			
		No. 427, dated 24th May 1901.	Kalnad Extension (*a*)	2·25			
			Nochikuttai Extension (*a*) ..	6·35			
		No. 446, dated 30th May 1901.	Konur (*a*)	3·76			
			Total ..	112·15	..	..	..

(*a*) Reservation takes effect subsequent to 1900-1901.

incurred on, Forest Settlements during 1900-1901—*cont.*

Areas undergoing settlement.						
At commencement of the year.		Taken in hand during the year.		Expenditure incurred during the year on areas undergoing settlement.		Estimate of areas in which settlement operations have not yet commenced.
Name of tract.	Area.	Name of tract.	Area.	In forest accounts.	In other accounts.	
9	10	11	12	13	14	15
CIRCLE—*cont.*						
	SQ. MLS.		SQ. MLS.	RS.	RS. A. P.	SQ. MLS.
		Srikolanu tope	½			
		Amanichiruvella and Ingalur tope	1			
....	..	Irakam tope	2			
....	..	Venadu tope	2¼			
Total ..	41	Total ..	14	31		
....	..	....	..	..		
Kattur Extension No. II ..	1					
Nemali Extension No. II ..						
	1					
Peddur Extension	16·57	Napier Extension	(*b*)			
Nellipatla	12·04	....				
Thotakanama	8·59	....				
	37·20					
Odaiyanatham	3					
Kattuvanaiyur (tope)						
Total ..	3					
Timmanur	9.35	Sholapadi	5·46	..		
Bommiyampatti	3·52	Mallur	11·42	..		
Shelur	28·44	Kottapatti extension	20·84	..		
Veppampatti extension ..	7·19	Vellakuttai	1·52	..		
Kallavi	6·37	Hudaidurgam	45·77	..		
Mangalam South Extension ..	4·62	Urigam	14·97	..		
Neralapalli	5·88	Hulibanda	14·80	..		
Ubbarani	18·94	Kempakarai	11·13	..		
		Sanamavu	7·53	..		
Total ..	84·31		133·44	..	..	

(*b*) Below one square mile.

Statement showing the Progress made in, and the Expenditure

Name of forest district.	Area already settled at commencement of year.	Areas finally settled during the year.					
		Number and date of Government Order according final sanction to the settlement.	Name of forest settled.	Area.	Expenditure incurred during the year on areas finally settled.		Entire cost per square mile of areas finally settled during the year.
					In forest accounts.	In other accounts.	
1	2	3	4	5	6	7	8
							CENTRAL
	SQ. MLS.			SQ. MLS.	RS.	RS.	
Trichinopoly.	244	No. 1086, dated 25th October 1900.	Kundur Kalvarayankulam ..	1·73			
		No. 1196, dated 1st December 1900.	Aniyappur, A & B	1·19			
		No. 153, dated 27th February 1901.	Yedumalai	2·29			
		No. 945, dated 10th September 1900.	Maniyankurichi	1·57			
			Omandur	1·58			
		No. 91, dated 7th February 1901.	Kurichimalai	1·73			
		No. 115, dated 16th February 1901.	Appannallur	1·44	..	..	..
		No. 118, dated 16th February 1901.	Sathanur	1·18			
		No. 119, dated 16th February 1901.	Nedungur	0·99			
		No. 219, dated 16th March 1901.	Vellakalpatti	2·91			
		No. 713, dated 18th July 1900.	Kunnam	2·06			
		No. 1216, dated 11th December 1900.	Vengaram	1·59			
			Total ..	20·26	..	..	..
Tanjore ..	18	....	....	..	..	..	..
							SOUTHERN
South Canara	535	No. 729, dated 21st July 1900.	Nidle	5	..	Approximately Rs 1,515.	Approximately Rs. 13–8–5.
		No. 758, dated 30th July 1900.	Porkal	7			
		No. 757, dated 30th July 1900.	Shibaje	5½			
		No. 894, dated 30th August 1900.	Miyar	27½			
			Total ..	45	..		
		No. 1035, dated 10th October 1900.	Ballimane	21	Nil.	Approximately Rs. 15–15–0.	Approximately Rs. 13–8–5.
		No. 1072, dated 17th October 1900.	Panamberi	1			
		No. 1085, dated 25th October 1900.	Kidu	10			
		No. 1098, dated 30th October 1900.	Padnur	5			
		No. 9, dated 8th January 1901.	Konaje	10			
		No. 6, dated 8th January 1901.	Kanakamajalu	4			
		No. 243, dated 21st March 1901.	Mujur	16			
		No. 394, dated 17th May 1901.	Someshwar Extension (*a*) (*b*) ..				
			Total ..	112	..	..	..
North Malabar.	159	No. 641, dated 2nd July 1900.	Padri	21	Nil.	2,442	22
		No. 728, dated 21st July 1900.	Peria	21			
		Do.	Peria extension				
		No. 209, dated 14th March 1901.	Kanoth (*a*)	40			
			Total ..	82	..	..	22

(*a*) Reservation takes effect subsequent to 1900–1901.
(*b*) Below one square mile.

incurred on, Forest Settlements during 1900–1901—*cont.*

Areas undergoing settlement.						Estimate of areas in which settlement operations have not yet commenced.
At commencement of the year.		Taken in hand during the year.		Expenditure incurred during the year on areas undergoing settlement.		
Name of tract.	Area.	Name of tract.	Area.	In forest accounts.	In other accounts.	
9	10	11	12	13	14	15
	SQ. MLS.		SQ. MLS.	RS.	RS.	SQ. MLS.
CIRCLE—*cont.*						
Thachankurichi	4				2,109-1-6	1
Mogavanur	2					
Shemmalai Extension No. 1 ..						
Pulivalam	1					
Mavilippatti	3					
Kottathur	4					
Velur	5					
Nakkaselam	5					
Manmalai Extension	1					
Marmareddipalaiyam	2					
Valkaradu	1					
Sathiramanai	3					
T. Kanappadi Extension ..						
Viramachampatti	7					
Sengattupatti Extension ..	3					
Virisettipalaiyam	3					
Arasadi Arvithi	2					
Pulambadi No. I	5					
Total ..	52		..	..	..	
....	..		..	..	..	
CIRCLE.						
Hale-Someshwar	3	Nire	1	*Nil.*	Approximately Rs. 1,015.	384
New-Someshwar	4	Narimogar	3			
Virakhamba	3					
Kalanjimale	5					
Kombar	15		..			
Kuntur	6		..			
Kilarmale	14		..			
Karadka	5		..			
Total ..	55		4		..	
		Ladysmith	4		88	
Total ..			4	..	..	

Statement showing the Progress made in, and the Expenditure

Name of forest district.	Area already settled at commencement of year.	Areas finally settled during the year,					
		Number and date of Government Order according final sanction to the settlement.	Name of forest settled.	Area.	Expenditure incurred during the year on areas finally settled.		Entire cost per square mile of areas finally settled during the year.
					In forest accounts.	In other accounts.	
1	2	3	4	5	6	7	8
							SOUTHERN
	SQ. MLS.			ACS.	RS.	RS.	RS.
South Malabar.	190	No. 693, dated 13th July 1900.	The Attapadi valley				
		Do.	Block I	33	..	(a) 2,530	27-12-10
		Do.	Do. II				
		Do.	Do. III				
		Do.	Do. IV				
			Total ..	..	..	..	
The Nilgiris.	389	No. 361, dated 20th April 1900.	Ammankaval addition II ..	1,255		818	
		No. 479, dated 17th May 1900.	Curzon Valley II	32			
		No. 447, dated 10th May 1900.	Rockwood reserve	938			
		No. 80, dated 17th May 1900.	Avarahulla reserve	121			
		No. 556, dated 13th June 1900.	Curzon Valley I	138			
		Do.	Vagappanai II	49			
		Do.	Tamugai	15			
		Do.	Ottupattadai	4			
		No. 737, dated 23rd July 1900.	Attikallu	49			
		Do.	Mavada reserve addition ..	93			
		Do.	Rajbey	45			
		Do.	Gathada	10			
		Do.	Ullanni	7			
		No. 816, dated 11th August 1900.	Devalahulla	26			
		Do.	Mudidevermund	163			
		Do.	Pakalamund	76			
		Do.	Vokkanshola	25			
		No. 944, dated 10th September 1900.	Blackheath	15			
		Do.	Halakarai reserve addition I ..	14			
		Do.	Thambarakadavu	23			
		No. 1096, dated 30th October 1900.	Warwick II	12			
		Do.	Gudakalhalla III	54			
		No. 1177, Revenue, dated 23rd November 1900.	Kottagai	10	..	..	..
		Do.	Oland	5	..	..	..
		Do.	Koderu addition II ..	5	..	..	..
		Do.	Do. III ..	21	..	..	..
		Do.	Doddanni	5	..	..	..
		Do.	Kudiashola I	9	..	..	..
		Do.	Athigaratti shola addition I ..	7	..	..	..
		Do.	Selaodai II	2	..	..	..
		Do.	Odiyaratti	8	..	..	..
		No. 1094, Revenue, dated 30th October 1900.	Yetterimara	3	..	..	..
		Do.	Bellikottu	2	..	..	..
		Do.	Okkamandu	3	..	..	..
		Do.	Attukorai	2	..	..	..
		Do.	Holiadashola	3	..	..	..
		Do.	Mayfield	7	..	..	..
		Do.	Tiger Lodge	6	..	..	..
		Do.	Aduvamara	25	..	..	..
		Do.	Attuboil reserve addition I ..	11	..	..	..
		Do.	Irupporai	8	..	..	..
		Do.	Umayariatti	3	..	..	..
		Do.	Girigehada	9	..	..	..
		Do.	Kottibettu	18	..	..	..
		Do.	Dodahada	2	..	..	..
		Do.	Kalakottu	17	..	..	..

(a) Includes the cost of blocks III and IV and portions

incurred on, Forest Settlements during 1900-1901—*cont.*

Areas undergoing settlement.						Estimate of areas in which settlement operations have not yet commenced.
At commencement of the year.		Taken in hand during the year.		Expenditure incurred during the year on areas undergoing settlement.		
Name of tract.	Area.	Name of tract.	Area.	In forest accounts.	In other accounts.	
9	10	11	12	13	14	15
CIRCLE—*cont.*						
....	ACS. ..	....	ACS. ..	RS. ..	RS.	SQ. MLS. 48
Total ..	..		..	..	..	
Dodabetta addition I	17	Adichathada shola	18			
Cairn Hill addition	13	Kundah reserve addition No. V.	198			
Nirmugihulla	17	Neyatti addition	43			
Gwatkin	7	Koderu addition	36			
Airlie	2	Melkundah reserve	22			
Mullesappe	7	Woodcock shola reserve ..	26			
Banahada	5	Kukal valley	269			
Barangadi	7	Addition to Dodabetta I ..	59			
Masikallu	2	Denad reserve addition I ..	125			
Burnside	14	Turachibettu shola	57			
Warwick block I	8	Kattakadavu odeola I ..	5			
Do. III	5	Do. II	8			
Gudakalhalla addition I	40	Denad reserve II	43			
Do. II ..	70	Pommannu	48			
Udiyari	37	Imbarahatti	2			
Masikadava	18	Pambarai No. I	21			
Rallia reserve addition II ..	3	Kadeolo	32			
Kilangadi	3	Hadamund reserve addition I.	46			
Kudia shola III	75	Hadamund reserve addition II.	20			
Extension to cairn hill addition.	1	Curzon Valley III	940			
		Do. IV	228			
....	..	Denad reserve addition No. III.	84			
....	..	Sundatti addition	35			
....	..	Pambarai reserve II	14			
....	..	Attakadavu shola	72			
....	..	Seven mile tope block ..	2			
....	..	Warbreccan reserve	18			
....	..	Uppatti shola addition ..	17			
....	..	Kodanad valley shola addition I.	76			
....	..	Do. do. II.	170			
....	..	Sinnatti shola addition ..	308			
....	..	Ulavanadmund shola I ..	46			
....	..	Do. do. II ..	16			
....	..	Madanad reserve addition ..	709			
....	..	Addition to Bettu reserve II.	135			
....	..	Addition to Clyffe reserve ..	59			
....	..	Addition to Konakarai slopes	157			
....	..	Odasakadu reserve	47			
....	..	Paruvakadavu reserve	679			
....	..	Kanneriodai	7			
....	..	Sullikudu I	1			
....	..	Do. II	307			
....	..	Nedugula reserve addition ..	113			
....	..	Beragani block	1,053			

of blocks I and II excluded at settlement.

Statement showing the Progress made in, and the Expenditure

Name of forest district.	Area already settled at commencement of year.	Areas finally settled during the year.					
		Number and date of Government Order according final sanction to the settlement.	Name of forest settled.	Area.	Expenditure incurred during the year on areas finally settled.		Entire cost per square mile of areas finally settled during the year.
					In forest accounts.	In other accounts.	
1	2	3	4	5	6	7	8
							SOUTHERN
	SQ. MLS.			ACS.	RS.	RS.	RS. A. P.
The Nilgiris —*cont.*		No. 7, Revenue, dated 8th January 1901.	Ammankaval I	953	..	..	..
		No. 4, Revenue dated 8th January 1901.	Vagappanai reserve addition I.	33	..	..	..
		No. 150, Revenue, dated 27th February 1901.	Glencairnie	2	..	..	..
		Do.	Sulapani	37	..	..	..
		Do.	Yedayatti I	11	..	..	..
		Do.	Belthal I	60	..	..	..
		Do.	Attuboil II	54	..	..	..
		Do.	Koliyada	2	..	..	..
		Do.	Garigehada II	47	..	..	..
		Do.	Osatti addition III	4	..	..	..
		Do.	Beggadu	57	..	..	..
		Do.	Panaola	1	..	..	..
		Do.	Beechworth	11	..	..	..
		Do.	Birgundu	15	..	..	..
		Do.	Kilur	3	..	..	..
		Do.	Kuranatti	4	..	..	..
		Do.	Paranjoti	9	..	..	..
		No. 1176, Revenue, dated 23rd November 1900.	Dolphin reserve addition ..	15	..	..	..
		Do.	Halakarai addition II ..	57	..	..	..
		No. 1270, Revenue, dated 26th December 1900.	Doddahulla	16	..	..	..
		No. 330, dated 26th April 1901.	Sandynalla II	131·88	..	..	..
		Do.	Red Hill reserve addition I ..	222·00	(a).	..	..
		No. 353, Revenue, dated 1st May 1901.	Kamari	51·05	..	..	..
		Do.	Addition to Pillur shola ..	16·25	..	..	..
		Do.	Bearhill No. II	18·10	..	..	..
		Do.	Addition to Gundorai reserve..	21·70	..	..	..
		Do.	Attimara	11·25	..	..	..
		Do.	Attigarhatti addition No. II..	103·97	..	..	..
		Do.	Bettatti	7·97	..	..	..
		Do.	Vulibetta addition	35	..	..	..
		No. 425 Revenue, dated 24th May 1901.	Cherambadi reserve addition ..	1,960·80	..	..	..
			Total ..	7,325·97 or 11·44 sq. miles.	..	..	..
				SQ. MLS.			
North Coimbatore.	1,105	No. 428, dated 5th May 1901.	Sennimalai and its addition ..	3	..	2,109	..
			Total ..	..	..	..	..
South Coimbatore.	·657	....	....	..	..	..	..
			Total ..	..	..	..	..

(a) Reservation takes effect from 1901-1902.

incurred on, Forest Settlements during 1900-1901—*cont.*

Areas undergoing settlement.						Estimate of areas in which settlement operations have not yet commenced.
At commencement of the year.		Taken in hand during the year.		Expenditure incurred during the year on areas undergoing settlement.		
Name of tract.	Area.	Name of tract.	Area.	In forest accounts.	In other accounts.	
9	10	11	12	13	14	15
CIRCLE—*cont.*						
	ACS.		ACS.	RS.	RS.	SQ. MLS.
....	..	Mavada reserve addition II ..	90			
....	..	Santi reserve	16			
....	..	Sandalwood block	16			
....	..	Kallur reserve addition ..	151			
....	..	Alageru Hanni	22			
....	..	Illithorai block	18			
....	..	Neralimarai block I	9			
....	..	Do. II	2			
....	..	Longwood reserve	48			
....	..	Tolu Yammaiyatti reserve ..	20			
....	..	Mandileru reserve	64			
....	..	Kodamalai reserve II	18			
....	..	Lady Canning's seat reserve ..	133			
....	..	Audathorai reserve addition I.	35			
....	..	Do. do. II.	58			
....	..	Addition to Hill grove reserve.	3			
		Kunnavara No. III	6			
	351 or ·55 sq. miles.		7,075 or 11 sq. miles.			
	SQ. MLS.		SQ MLS.			
Yedaralli	212	Ullepalaiyam	6	..	..	39
		Barebetta	5	..	..	
Madheshwaran Malai ..	246	Dodda Induvadi	12	..	..	
		Tamarakarai				
Hanur	34	Akkarjorai	1	..	..	
		Sandalwood plantation ..				
Total ..	492		24	..	..	
Mary or Andiparai estate ..	0·47	Avanasi palmyra tope ..	0·11	..	..	
Total ..	0·47		0·11	..	..	

Statement showing the Progress made in, and the Expenditure

Name of forest district.	Area already settled at commencement of year.	Areas finally settled during the year.					
		Number and date of Government Order according final sanction to the settlement.	Name of forest settled.	Area.	Expenditure incurred during the year on areas finally settled.		Entire cost per square mile of areas finally settled during the year.
					In forest accounts.	In other accounts.	
1	2	3	4	5	6	7	8
							SOUTHERN
	SQ. MLS.			SQ. MLS	RS.	RS.	RS. A. P.
Madura ..	597	No. 307, dated 2nd April 1900.	Umaiyar	·76	..	..	..
			Total ..	·76	..	..	..
Tinnevelly ..	418	No. 220, dated 16th March 1901.	Extension block I to Kuttalam reserve III.	3	..	..	..
		No. 201, dated 14th March 1901.	Extension to Krishnapuram reserve.	3	..	..	..
			Total ..	6	..	..	..

incurred on, Forest Settlements during 1900-1901—*cont.*

Areas undergoing settlement.						Estimate of areas in which settlement operations have not yet commenced.
At commencement of the year.		Taken in hand during the year.		Expenditure incurred during the year on areas undergoing settlement.		
Name of tract.	Area.	Name of tract.	Area.	In forest accounts.	In other accounts.	
9	10	11	12	13	14	15
CIRCLE—*cont.*						
	SQ. MLS.		SQ. MLS.	RS.	RS.	SQ. MLS.
Thoppaswamimalai	11·00	....	..	..	..	9
Koviladi	·35	....	..	..	..	
Kadavumalai	2·00	....	..	..	..	
Total ..	13·35		..	..	..	
Vaippar	4	....	..	..	Rs. 2,109-1-6	
Melavittan Extension	1	....	..	..		
Extension to Kuttalam reserved forest, block II.		....	..	..		
Aruguli tope		....	..	..		
Total ..	5		..	..	..	

APPENDIX C.

Forest Settlement.

PARTICULARS of balance of Lands under Settlement.

District.	Total number and area of blocks brought under settlement up to end of 1900-1901.		Total number and area of blocks constituted finally as reserved forests up to end of 1900-1901.		Balance at the end of 1900-1901.	
	Number.	Area.	Number.	Area.	Number.	Area.
1	2	3	4	5	6	7
Northern Circle.		SQ. MLS.		SQ. MLS.		SQ. MLS.
Ganjám	50 (*b*) — 1	541 (*b*) — 1	46	501	3	39
Vizagapatam	54 (*a*) — 5	299 (*a*) — 4	44	224	5	71
Gódávari	84	952	83	951	1	1
Kistna	226 (*b*) — 2	1,013 (*b*) — 2 (*c*) — 13	179	839	45	159
Kurnool	77	2,482 (*c*) — 8	58	2,232	19	242
Bellary	143	569	136	545	7	24
Anantapur	80	510	76	508	4	2
Total, Northern Circle ..	706	6,338	622	5,800	84	538
Central Circle.						
Cuddapah	216	2,409 (*a*) — 14	188	2,129	28	266
Nellore	225	756 (*c*) — 3	190	698	35	55
Chingleput	199 (*a*) — 3	214	194	213	2	1
North Arcot	192	1,233 (*a*) + 2 (*c*) — 2	188	1,196	4	37
South Arcot	157	709 (*c*) — 4	154	693	3	12
Salem	177	1,582 (*c*) — 1	156	1,323	21	258
Trichinopoly	130	318 (*c*) — 2	112	264	18	52
Tanjore	15	18	15	18	..	..
Total, Central Circle ..	1,308	7,215	1,197	6,534	111	681
Southern Circle.						
South Canara	104 (*a*) — 1	706	92	647	11	59
North Malabar	23	274 (*c*) — 29	21	201	2	44
South Malabar	15 (*b*) — 2	280 (*b*) — 33 (*c*) — 24	13	223	..	..
The Nilgiris	433 (*b*) — 7	413	334	397	92	16
North Coimbatore	47	1,624	38	1,108	9	516
South Coimbatore	20	658	18	657	2	1
Madura	148	611	145	598	3	13
Tinnevelly	57 (*a*) + 4	429	57	424	4	5
Total, Southern Circle ..	841	4,909	718	4,255	123	654
Grand Total ..	2,855	18,462	2,537	16,589	318	1,873

(*a*) Rectification. (*b*) Initial notification cancelled. (*c*) Excluded at settlement.

APPENDIX C—*cont.*

Forest Settlement—cont.

Particulars of balance of Lands under Settlement—*cont.*

District.	Classification of balance in columns 6 and 7.											
	Settled and reported on.								Settled but not reported on.		Settlement proceeding.	
	Notified under section 16 during 1900–1901, but reservation effected only after 30th June 1901.		With Board or Government awaiting publication of Notification under section 16.		Returned by the Board for revision and remaining either with Collector, District Forest-officer or Forest Settlement-officer.		Total settled and reported on.					
	Number.	Area.	Number.	Area.	Number.	Area.	Number.	Area.	Number.	Area.	Number.	Area.
	8	9	10	11	12	13	14	15	16	17	18	19
Northern Circle.		SQ. MLS.		SQ. MLS.		SQ. MLS.		SQ. MLS.		SQ. MLS.		SQ. MLS.
Ganjám	1	(a) ..	..	..	1	37	2	37	..	..	1	2
Vizagapatam	1	21	..	..	..	..	1	21	1	16	3	34
Gódávari	..	..	..	..	..	..	..	..	..	..	1	1
Kistna	6	16	2	2	4	11	12	29	5	20	28	110
Kurnool	..	..	1	44	1	14	2	58	..	..	17	184
Bellary	1	1	..	..	..	..	1	1	3	9	3	14
Anantapur	..	..	..	..	..	..	..	..	..	..	4	2
Total, Northern Circle.	9	38	3	46	6	62	18	146	9	45	57	347
Central Circle.												
Cuddapah	5	(a) ..	2	68	5	107	12	175	12	91	4	(a) ..
Nellore	..	..	5	9	..	..	5	9	..	..	30	46
Chingleput	..	..	..	..	2	1	2	1	..	..	..	..
North Arcot	..	..	..	..	3	37	3	37	..	..	1	(a) ..
South Arcot	1	9	..	..	2	3	3	12	..	..	..	..
Salem	4	40	3	41	..	..	7	81	9	59	5	118
Trichinopoly	..	..	2	1	2	6	4	7	6	24	8	21
Tanjore	..	..	..	..	..	..	..	..	..	..	..	..
Total, Central Circle.	10	49	12	119	14	154	36	322	27	174	48	185
Southern Circle.												
South Canara	1	(a) ..	..	..	2	20	3	20	6	33	2	6
North Malabar ..	1	40	..	..	..	..	1	40	..	..	1	4
South Malabar ..	..	..	..	..	..	..	..	..	..	..	..	..
The Nilgiris	11	4	1	(a) ..	7	1	19	5	4	(a) ..	69	11
North Coimbatore ..	..	..	..	..	1	34	1	34	2	212	6	270
South Coimbatore ..	..	..	1	1	..	..	1	1	1	(a) ..	..	..
Madura	..	..	..	..	2	13	2	13	1	(a) ..	..	..
Tinnevelly	..	..	..	..	..	..	..	..	3	4	1	1
Total, Southern Circle.	13	44	2	1	12	68	27	113	17	249	79	292
Grand Total, Presidency.	32	131	17	166	32	284	81	581	53	468	184	824

(a) Below one square mile.

APPENDIX C—*cont.*

Forest Settlement—cont.

Particulars of balance of Lands under Settlement—*cont.*

District.	Of lands notified under section 4 in the year.																									
	1884–85.		1888–89.		1889–90.		1890–91.		1891–92.		1892–93.		1893–94.		1894–95.		1895–96.		1896–97.		1897–98.		1898–99.		1899–1900.		1900–1901.	
	Number.	Area.	Number	Area.	Number.	Area.	Number.	Area.	Number.	Area.	Number.	Area.	Number.	Area.	Number.	Area.	Number.	Area.	Number.	Area.	Number.	Area.	Number.	Area.	Number.	Area.	Number.	Area.
	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47
Northern Circle.		S. M.		S. M.		S. M.		S. M.		S. M.		S. M.		S. M.		S. M.		S. M.		S. M.		S. M.		S. M.		S. M.		S. M.
Ganjám ..	1	37	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	2
Vizagapatam ..	..	..	..	..	..	..	..	..	2	37	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	3	34
Gódávari ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1
Kistna	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	8	7	39	4	9	8	30	25	73
Kurnool ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	134	2	58	..	..	15	50
Bellary	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	2	..	..	..	..	..	..	6	22
Anantapur ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	4	2	..	..
Total ..	1	37	..	..	..	..	..	..	2	37	..	..	..	..	..	..	..	..	2	10	9	173	6	67	12	32	52	182
Central Circle.																												
Cuddapah ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	6	154	1	48	..	..	3	43	2	20	..	..	16	1
Nellore	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	3	20	10	21	22	14
Chingleput ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	1	..	..	..	..	..	..
North Arcot ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	16	2	21	..	..	..	..	..	..	1	* ..
South Arcot ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	9	2	3	..	..	..	..	..	..	..	..
Salem	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	46	..	..	..	..	1	6	6	58	12	148
Trichinopoly ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	4	11	..	..	14	41	..	..	..	..
Tanjore ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	6	154	5	119	8	35	5	44	20	87	16	79	51	163
Southern Circle.																												
South Canara ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	3	1	4	3	13	..	..	3	35	1	1	2	3
North Malabar ..	1	40	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	4
South Malabar ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
The Nilgiris ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	5	4	26	1	61	11
North Coimbatore	..	..	..	..	..	..	1	246	..	..	..	..	1	34	..	..	..	..	..	..	..	..	..	..	5	225	2	11
South Coimbatore	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1	1	* ..
Madura	..	..	..	..	..	..	..	..	1	11	..	..	..	..	..	..	..	..	..	..	2	2	..	..	..	..	..	..
Tinnevelly ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	* ..	2	4	..	..	1	1
Total ..	1	40	..	..	..	..	1	246	1	11	..	..	1	34	1	3	1	4	3	13	3	2	10	43	33	228	68	30
Grand Total ..	2	77	..	..	..	..	1	246	3	48	..	..	1	34	7	157	6	123	13	58	17	219	38	197	61	339	171	375

* Below one square mile.

Appendix D.

Causes of delay in the submission of final Notifications of Forest Reserves.

Districts.	Causes of delay.														
	Notified under section 16 during 1900–1901, but with effect only after 30th June 1901.	With Board or Government awaiting publication of notification under section 16.	Pending preparation of maps.	Awaiting disposal of appeals.	Awaiting expiry of time prescribed for appeal.	Only recently notified or re-notified under section 4.	Awaiting payment of compensation for acquisition or exchange of lands.	Awaiting settlement of claims under enquiry.	Awaiting District Forest-officers' answers to claims, demarcation, &c.	Settled, but final report pending with the Collector or Forest Settlement-officer.	Pending with the Collector or Forest Settlement-officer for revision of Notification.	Awaiting replies to references made to Collector or the Board.	Awaiting inspection by the Forest Settlement-officer.	Other causes, *i.e.*, awaiting information from Tahsildars, return of records from the District Court, &c.	Total.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Ganjám	1	..	..	..	..	..	..	..	1	..	1	..	..	..	3
Vizagapatam	1	..	..	..	..	3	..	..	..	1	..	..	..	..	5
Gódávari	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1
Kistna	6	2	1	1	..	9	3	1	..	5	4	..	11	2	45
Kurnool	..	1	5	..	..	..	..	..	..	..	1	..	11	1	19
Bellary	1	..	..	..	..	..	..	1	2	..	1	..	..	2	7
Anantapur	..	..	..	..	..	..	1	3	..	..	..	..	..	..	4
Cuddapah	5	2	..	5	..	..	..	..	..	7	5	..	2	2	28
Nellore	..	5	..	..	..	..	1	21	..	..	..	..	3	5	35
Chingleput	..	..	..	..	..	..	..	..	..	..	2	..	..	..	2
North Arcot	..	..	..	..	..	..	..	..	..	..	3	..	..	1	4
South Arcot	1	..	..	..	..	..	..	..	..	..	2	..	..	..	3
Salem	4	3	..	..	..	4	..	..	..	9	..	..	..	1	21
Trichinopoly	..	2	..	..	..	..	..	6	1	6	2	..	..	1	18
Tanjore	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
South Canara	1	..	..	4	1	..	..	1	..	1	2	..	..	1	11
North Malabar	1	..	..	..	..	..	..	..	..	..	..	..	1	..	2
South Malabar	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
The Nilgiris	11	1	..	..	..	..	..	69	..	1	7	..	..	3	92
North Coimbatore	..	..	..	..	..	..	..	4	1	1	1	..	1	1	9
South Coimbatore	..	1	..	..	..	..	..	..	..	1	..	..	..	..	2
Madura	..	..	..	..	..	..	..	..	..	..	2	..	1	..	3
Tinnevelly	..	..	..	..	..	..	2	..	..	..	..	..	1	1	4
Total ..	32	17	6	10	1	16	7	106	6	32	33	..	31	21	318

Appendix E.

Reserved Lands not under Settlement in square miles.

Districts.	Up to 1899–1900.	Added during 1899–1900.	Added during 1900–1901.	Total.	Transferred for settlement.				Balance remaining "reserved lands" not under settlement.
					Up to 1899–1900.	During 1899–1900.	During 1900–1901.	Total.	
1	2	3	4	5	6	7	8	9	10
Northern Circle.									
Ganjám	538	7 (a) + 2 (b) — 8	2 (d) — 1	540	530 (d) — 1	7 (a) + 2	2	540	..
Vizagapatam ..	354	..	(a) — 4 (e) — 6	344	264 (a) — 4	1	34	295	49
Gódávari	956	2 (a) + 1 (b) — 8	1	952	948	2 (a) + 1	1	952	..
Kistna	1,144	(a) + 7 (b) — 8 (c) — 15	3 (a) + 5 (b) — 13 (c) — 53 (d) — 2	1,068	891 (b) — 12 (d) — 1	49 (b) — 1 (d) — 1	73	998	70
Kurnool	2,900	(b) — 12 (c) — 7	4 (b) — 8 (c) — 109 (e) + 1 (f) + 2	2,771	2,430 (b) — 8 (f) + 2	..	50	2,474	297
Bellary	611	4 (b) — 2 (c) — 7 (e) — 1 (f) + 10	20 (c) — 4	631	534	12	23	569	62
Anantapur.. ..	507	3	..	510	507	3	..	510	..
Total ..	7,010	— 32	— 162	6,816	6,080	75	183	6,338	478
Central Circle.									
Cuddapah	2,453	23 (a) — 25	1 (a) — 15	2,437	2,401 (a) — 14	8	..	2,395	42
Nellore	708	49 (b) — 1 (e) — 1	14 (b) — 3	766	693 (b) — 3	49	14	753	13
Chingleput ..	215	(e) — 1	..	214	214	..	..	214	..
North Arcot ..	1,236	(b) — 1 (d) — 1	(a) + 2 (b) — 2	1,234	1,233	..	..	1,233	1
South Arcot ..	709	..	(b) — 4	705	709 (b) — 4	..	..	705	..
Salem	1,423	33 (c) — 4 (e) + 1	131 (a) + 4 (b) — 1 (f) — 6	1,581	1,358 (b) — 1 (f) — 6	76	154	1,581	..
Trichinopoly ..	323	(b) — 2 (c) — 3	(b) — 2	316	318 (b) — 2	..	..	316	..
Tanjore	18	..	..	18	18	..	..	18	..
Total ..	7,085	67	119	7,271	6,914	133	168	7,215	56
Southern Circle.									
South Canara ..	1,095	(b) — 1 (c) — 1	(a) + 1 (c) — 4	1,090	698	5	3	706	384
North Malabar ..	272	..	4 (b) — 29	247	270 (b) — 29	..	4	245	2
South Malabar ..	328	..	(b) — 24 (d) — 33	271	281 (a) — 1 (b) — 24 (d) — 33	..	..	223	48
The Nilgiris ..	491	2 (b) — 4	11 (c) — 2	498	399 (a) + 1	2	11	413	85
North Coimbatore.	1,618	13 (a) + 24 (b) — 1 (c) — 15	11	1,650	1,576	13 (a) + 24	11	1,624	26
South Coimbatore .	657	1	(g)	658	657	1	(g)	658	..
Madura	609	(a) + 2	..	611	609	(a) + 2	..	611	..
Tinnevelly ..	429	..	(g)	429	429	..	(g)	429	..
Total ..	5,499	20	— 65	5,454	4,833	47	29	4,909	545
Grand Total ..	19,594	55	— 108	19,541	17,827	255	380	18,462	1,079

(*a*) By rectification of area. (*b*) Excluded at settlement. (*c*) Unreserved or disafforested.
(*d*) Initial notification cancelled. (*e*) Rounding off fractions in previous years' returns.
(*f*) By rectification of areas already constituted reserved forests. (*g*) Below one square mile.

Form No. 46.

Forest Department, Madras Presidency.

Record of Demarcation and Maintenance of Boundaries.

District.	Length of boundaries artificially demarcated during the year.	Length of previously existing boundaries repaired.	Length of previously existing boundaries not repaired.	Total length of artificially marked boundaries at the close of the year.	Length of boundaries still to be demarcated at close of year.	Length of natural boundaries not requiring artificial marks.	Total length of boundaries at the close of the year.	Expenditure on demarcation during the year.	
								On new work.	On repairs.
1	2	3	4	5	6	7	8	9	10
Northern Circle.	MILES.	MILES.	MILES.	MILES.	MILES.	MILES.	MILES.	RS.	RS.
Ganjám	272	33	416	721	348	66	1,135	(*a*)3,130	98; (*h*)+ 40
Vizagapatam	81	348	..	429	71	..	500	(*a*)1,116	(*b*) 715; (*h*) — 29
Gódávari	49	503	457	1,009	80	319	1,408	(*a*) 667	(*b*) 774
Kistna	(*g*) 161	26	1,060	1,247	..	..	1,247	(*a*) 1,854; (*b*) 275	198; (*h*) — 15
Kurnool	337	16	725	1,078	449	157	1,684	(*a*)2,834	93; (*i*) 284; (*k*) — 230; (*h*) — 3
Bellary	85	351	1,116	1,552	11	..	1,563	200	657
Anantapur	3	36	1,183	1,222	..	..	1,222	78	84; (*h*) + 1
Total, Northern Circle	988	1,313	4,957	7,258	959	542	8,759	10,154	2,667
Central Circle.									
Cuddapah	276	46	2,893	3,215	75	..	3,290	(*c*) 1,910	91; (*h*) — 2
Nellore	65	33	1,548	1,646	116	86	1,848	(*a*) 501	(*h*) + 108
Chingleput	33	30; (*e*) 529	360	922	2	..	924	207; (*a*) 235; (*b*) 479	22
North Arcot	99; (*d*)13	20; (*e*)1,968	142	2,242	..	44	2,286	1,125	117
South Arcot	15	22; (*e*) 30	2,101	2,168	194	..	2,362	(*a*) 618	28
Salem	16	444; (*e*) 1,070	508	2,038	6	5	2,049	73	409; (*h*) — 1
Trichinopoly	88	5; (*e*) 358	191	642	374	..	1,016	(*f*) 694	67
Tanjore	19	..	60	79	..	..	79	78; (*h*) + 1	..
Total, Central Circle	624	4,555	7,803	12,952	767	135	13,854	5,921	839
Southern Circle.									
South Canara	216	19	2,034	2,269	421	220	2,910	3,697	89; (*h*) — 59
Malabar, North	..	..	576	576	529	2	1,107	..	(*h*) + 8
Do. South	..	..	121	121	87	112	320	..	..
The Nilgiris	45	56	1,137	1,238	12	247	1,497	932	926; (*h*) — 27
Coimbatore, North	79	30	70	179	..	7	186	(*a*) 694	(*a*) 182; (*m*) 745
Do. South	8	..	492	500	..	78	578	4	..
Madura	..	39; (*n*) 450	1,044	1,533	30	140	1,703	..	(*a*) 655
Tinnevelly	8	15	359	382	184	17	583	553; (*l*)—264	90
Total, Southern Circle	356	609	5,833	6,798	1,263	823	8,884	5,616	2,609
Grand Total, Presidency	1,968	6,477	18,593	27,008	2,989	1,500	31,497	21,691	6,115

N.B.—Boundaries include, besides the outer perimeter, the limits of enclosures of private or other lands within the forests, but not the limits of sub-divisions, such as blocks, compartments, coupes.

The lengths of boundaries of forests finally notified should alone be shown in this return.

(*a*) Includes cost of constructing cairns and slabs.
(*b*) Includes cost of temporary establishment.
(*c*) Includes rectification of boundaries (4 miles).
(*d*) Rectification of boundaries.
(*e*) Repairs done by existing establishment free of cost.
(*f*) Includes Rs. 31 spent in sowing palmyrah seeds.
(*g*) Includes 13 miles of compartment lines.
(*h*) Added or deducted as per Accountant-General's audited figures.
(*i*) Amount spent in cutting working circle lines.
(*k*) Amount recovered from Railway company on account of over payment for Railway charges in the previous year.
(*l*) Excludes amount recovered from the Travancore State and from zamindary estate for demarcating certain boundaries to the length of 12 miles.
(*m*) Includes Rs. 531 spent in clearing rights of way boundaries of coupes and block lines.
(*n*) Cairns erected.

ANNUAL FORM No. 47.

Forest Department, Madras Presidency

STATEMENT of Forest Areas surveyed and under survey during the year 1900-1901.

Districts.	Areas surveyed and under survey during the year 1900-1901.															
	Special Surveys—Maps on 4-inch scale or over by Survey of India Department or Madras Survey.								Ordinary, included in district surveys.							
	With interior details.					Boundary surveys.			With interior details.					Boundary surveys.		
	With details of growing stock.		Without details of growing stock.		Total cost.	Previous.	Of year.	Total cost.	With details of growing stock.		Without details of growing stock.		Total cost.	Previous.	Of year.	Total cost.
	Previous.	Of year.	Previous.	Of year.					Previous.	Of year.	Previous.	Of year.				
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.	RS.	L. MLS.	L. MLS.	RS.	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.	RS.	L. MLS.	L. MLS.	RS.
Ganjám	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Vizagapatam	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Gódávari	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Kistna	..	..	..	..	..	478	..	..	18	..	331	18	124	433	80	(a) 1,418
Kurnool	..	..	1,101	350	89,210	890	..	..	..	..	..	..	..	..	..	..
Bellary	..	..	..	..	..	..	..	..	..	..	546	..	..	..	..	..
Anantapur	..	..	168	..	..	..	..	..	..	..	188	..	..	..	..	..
Cuddapah	..	..	728	531	21,000	481	289	..	..	..	..	..	..	..	..	..
Nellore	..	..	..	..	..	..	..	..	..	..	..	..	..	..	16	397
Chingleput	..	..	..	..	..	..	..	..	..	..	115	..	588	..	..	..
North Arcot	..	..	1,099	..	..	..	..	..	..	..	..	..	..	..	..	..
South ,, ...	..	..	(b) 229	..	8,829	82	..	..	..	..	467	..	..	..	..	..
Salem	..	..	1,129	..	33,354	..	..	..	..	..	..	..	..	171	..	..
Trichinopoly	..	..	66	..	25,000	9	..	..	..	..	..	..	..	170	..	..
Tanjore	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
South Canara	..	..	..	207	13,400	99	202	3,971	..	..	..	..	..	..	..	..
North Malabar	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
South ,, ...	6	..	33	..	168	..	..	..	..	..	1	..	..	..	..	..
The Nilgiris	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
North Coimbatore.. ..	..	..	1,648	232	..	299	..	..	10,050	..	..	..	..	..	..	..
South ,, ...	..	..	651	..	..	..	..	..	..	..	5	..	..	..	..	..
Madura	..	..	573	25	..	..	..	..	..	..	..	..	..	..	..	..
Tinnevelly	(c)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total ..	6	..	7,425	1,345	1,90,961	2,338	491	3,971	10,068	..	1,653	18	712	774	96	1,815

(a) This includes cost of temporary establishment. (b) This does not include the cost of 99 miles, information in regard to which is not available. (c) The Collector has submitted a *nil* return.

Statement of Forest Areas surveyed and under survey during the year 1900–1901—*cont.*

District.	Areas surveyed and under survey during the year 1900–1901—*cont.*								Areas remaining to be taken under survey.	Total reserved forest area at end of year, as per Form No. 44.	Cost.		
	Chain and compass or other surveys by local officers.												
	With interior details.					Boundary surveys.					Previous.	Of year.	Entire cost of all surveys to end of the year.
	4-inch or over.		Under 4-inch.		Total cost.	Previous.	Of year.	Total cost.					
	Previous.	Of year.	Previous.	Of year.									
	18	19	20	21	22	23	24	25	26	27	28	29	30
	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.	RS.	L. MLS.	L. MLS.	RS.	SQ. MLS.	SQ. MLS.	RS.	RS.	RS.
Ganjám	..	..	..	..	..	884	7	18,508	..	501	12,753	755	13,508
Vizagapatam	290	..	..	..	2,411	26	11	88	47	224	..	..	..
Gódávari	..	..	..	..	..	390	33	856	951	951	2,957	856	3,813
Kistna	4	..	..	..	..	177	..	..	..	839	(*a*) 10,829	1,576	12,405
Kurnool	5	..	..	..	254	126	..	1,713	776	2,232	73,177	18,000	91,177
Bellary	..	..	..	..	..	..	..	..	..	545	..	..	..
Anantapur	154	..	..	..	..	..	..	..	..	508	..	..	..
Cuddapah	..	..	..	..	..	..	..	..	..	2,129	50,512	21,000	71,512
Nellore	..	..	..	..	..	..	..	..	..	698	..	(*b*) 397	..
Chingleput	25	..	..	..	..	33	..	..	99	213	587	..	587
North Arcot	97	..	..	..	..	..	..	..	..	1,196	16,158	518	16,676
South „	6	..	..	..	52	..	..	..	..	693	8,880	..	8,880
Salem	..	..	..	..	..	5	..	251	128	1,323	33,354	..	33,354
Trichinopoly	1	..	..	..	..	..	..	..	71	264	25,000	..	25,000
Tanjore	18	..	..	..	..	..	..	..	..	18	..	..	..
South Canara	..	..	..	..	..	482 (*c*) 150	..	..	15	647	..	..	..
North Malabar	..	..	..	..	..	37	..	728	201	201	728	..	728
South „	..	..	..	..	..	184	..	610	184	223	778	..	778
The Nilgiris	..	..	..	..	..	..	..	..	..	397	..	..	..
North Coimbatore ..	..	..	..	..	..	..	..	..	..	1,108	66,923	10,050	76,973
South „ ..	..	..	..	..	..	..	..	..	..	657	..	..	..
Madura	..	..	..	..	..	..	..	..	..	598	..	..	..
Tinnevelly	..	..	..	..	..	..	..	..	..	424	..	..	..
Total ..	600	..	..	..	2,717	2,494	51	17,754	2,472	16,589	3,02,636	53,152	3,55,39

(*a*) Revised figure.

(*b*) Includes pay of Surveyor.

(*c*) Surveyed before 1900–1901 but constituted reserved forests during 1900–1901.

Appendix F.

Abstract of District reports in regard to the maintenance of maps in accordance with the provisions of section 81 of the Forest Code.

Northern Circle.

Ganjam.—The district and range maps are maintained and posted up to date. Final maps have been prepared for all reserved forests in addition to fire conservancy maps for all fire-protected blocks.

Vizagapatam and Godavari.—The district reference map, the range and reserve maps are maintained as usual.

Kistna.—Final map for only one reserved forest, viz., Gandrayi was obtained from the Survey office during the year under report. The completion of other maps was deferred, pending the resurvey now going on and the final settlement of extensions of several reserved forests.

Bellary.—Final maps were prepared for twenty blocks having an area of 69 square miles during the year. For 106 square miles of the balance remaining boundaries have been marked on village maps which have been sent to the Survey office to be finally mapped.

Anantapur.—Five hundred and six square miles of reserved forest have been finally mapped, leaving a balance of 2 square miles. The maps prepared during the year cover an area of 12 square miles.

Kurnool.—The district map has been posted up to date. Sketch-maps to accompany notifications under sections 4 and 16 are maintained. Two working circle maps have also been prepared, one for Railway Working Circle and another for Veludurte reserve.

Central Circle.

Cuddapah.—The district and range maps are maintained. Eleven taluk maps have been posted and supplied to the Sub-Divisional Officer, Deputy Rangers and Foresters. Five reserve maps have been prepared to be photozincographed at the Madras Survey office.

Nellore.—Seven maps of the Kanigiri range, three maps of Kavali range, nine maps of Rapur range and one map of Sriharikota range have been copied from the final maps and supplied to Range officers.

Chingleput.—The district and taluk maps and atlas sheets have been posted up to date. One hundred and twenty litho copies of blocks in Saidapet and Conjeeveram taluks received from the Superintendent of Survey have been coloured. Plans for 47 reserves with their extensions have been prepared and forwarded to Range officers. Two sets of plans for ten reserves in the Chingleput and Tiruvallúr ranges have also been prepared.

North Arcot.—The district map (1 inch = 4 miles) showing reserved forests, &c., is maintained up to date. Copies of taluk maps (1 inch = 1 mile) are kept in the District Forest office and have been supplied to the Range officers concerned. Final maps for reserves covering an area of 944 square miles prepared either by the Survey of India Party or by the Madras Survey office have been distributed among the Range officers. Maps for twenty-four blocks covering an area of about 209 acres are still due from the Survey of India office. Unpublished proofs for six out of these twenty-four blocks have, however, been received.

South Arcot.—One reference map of the district for the use of the Conservator and two key maps of the same and four reserve maps for the Kallakurchi, Cuddalore, Tiruvannámalai and Tindivanam ranges have been posted. Three copies of reserve maps have been prepared for the Ranger's use and outline sketches for 27 reserves covering an area of 122,877 acres have been prepared and supplied to Range officers for preparing estimates and posting final demarcation. Besides five reserves have been posted in the village maps concerned and sent to Tahsildars. Colouring of certain Survey of India maps has also been attended to.

Salem.—The district and range maps are maintained as usual. Maps for 114 reserves prepared by the Survey of India Party are also maintained.

Trichinopoly.—District forest reference map and the taluk maps are maintained. No working plans were prepared during the year under report.

Tanjore.—District and range reference maps with all particulars are maintained. There are also separate maps for each reserve. Working-plan maps on the 8-inch scale for the Vettangudi reserve and the north, south and Neidavasal casuarina plantations in the Shiyali taluk have been prepared.

Southern Circle.

South Canara.—The district reference map is posted up to date and maps are maintained for all reserved forests except Bhagimale and Mujimale.

North Malabar.—The district reference map has been posted up to date.

South Malabar.—The district reference map has been posted up to 30th June 1901. Reserve and range reference maps have also been maintained. There are working circle maps for the area for which working plans have been prepared.

The Nilgiris.—The office reference map has been posted up to June 1901 and the range reference maps have been similarly posted. There are no separate maps for reserves except for Mudumalai, Benne and Kanibarakota forests; but there are settlement maps for every village in the district which are duly maintained with all the reserves indicated therein in accordance with notification under section 16. Working circle plans exist for ten reserves.

North Coimbatore.—The office reference map is maintained, the topographical sheets are used as range reference maps and are being posted. Reserve maps have been prepared for eight reserves in the Erode taluk and those for the remaining reserves in that range have been sent to the Survey office during the year; in the remaining cases the settlement map has been supplied to Range officers for the principal reserves to be used together with the topographical sheets as reserve maps until the survey is complete.

South Coimbatore.—District forest reference map is maintained in duplicate. The taluk maps (scale 1 inch = 1 mile) have been utilized for range forest reference maps and most of the particulars relating to the five ranges have been entered. There are Survey of India maps of all reserves, but some details have yet to be entered. There are also separate maps for each of the working circles.

Madura.—The additions and alterations pointed out during settlement in Andipatti and Sirumalai north-western slopes have been duly noted. There are Survey of India maps for almost all reserves, but some details still remain to be entered therein. The Kodavanur reserve map, which was sent to the Survey office for reproduction, was received during the year.

Tinnevelly.—The district reference map has been posted up to 30th June 1901. Most of the reserve maps have been prepared, but some additions are required and these are being attended to.

Appendix G.

Statement showing Area of Reserved Forests for which final Maps have been prepared.

Districts.	Area of reserved forests.	Area of reserved forests for which final maps have been prepared.
	SQ. MILES.	SQ. MILES.
Ganjám	501	501
Vizagapatam	224	14
Gódávari	951	(a) ..
Kistna	839	556
Kurnool	2,232	(b) ..
Bellary	545	429
Anantapur	508	506
Cuddapah	2,129	2,068
Nellore	698	698
Chingleput	213	(c) 213
North Arcot	1,196	944
South Arcot	693	693
Salem	1,323	1,045
Trichinopoly	264	97
Tanjore	18	18
South Canara	647	632
North Malabar	201	159
South Malabar	223	40
The Nilgiris	397	..
North Coimbatore	1,108	(d) 7
South Coimbatore	657	654
Madura	598	586
Tinnevelly	424	410
Total ..	16,589	10,270

(a) Twenty-three reserved forests in the district are reported to have been surveyed by the Forest Surveyor. As some of the original sketches which constituted the settlement maps are very rough, they are undergoing revision. Three hundred and fifty-one miles of boundary line were surveyed, and the Coringa coast is being surveyed by a special officer deputed by Government for the work.

(b) Unpublished sketches for 13 reserves (419 square miles) have been received.

(c) The final maps referred to are only copies of maps attached to notifications under section 16 of the Forest Act. They are, however, only approximately correct when boundaries go through unreserved areas.

(d) Maps under preparation for 1,084 square miles, and proofs received for 17 square miles.

Annual Form No. 48.

Forest Department, Madras Presidency.

Progress made in Working-Plans during 1900–1901.

District.	Areas for which working-plans have been completed and approved by the Board.		Areas for which working-plans are being compiled or have been compiled but not sanctioned.		Areas for which working-plans have still to be taken in hand.	Total forest area as in Form No. 44.	Entire cost per square mile of working-plans completed.	* Remarks.
	At commencement of year.	Taken in hand during year.	At commencement of year.	During year.				
1	2	3	4	5	6	7	8	9
Northern Circle.	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.	RS. A. P.	RS.
Ganjám	..	..	..	160	380	540	..	..
Vizagapatam	..	..	5	16	323	344	..	..
Gódávari	52	(*b*) ..	248	..	652	952	..	149
Kistna	8	..	768	..	292	1,068	..	105
Kurnool	..	158	..	75	2,538	2,771	..	38
Bellary	12	..	..	134	485	631	..	61
Anantapur	..	..	1	..	509	510	..	..
Total	72	158	1,022	385	5,179	6,816	..	(*a*) 353
Central Circle. *								
Cuddapah	3	..	..	..	2,434	2,437	..	..
Nellore	108	..	(*c*) 343	..	315	766	2 1 0	337
Chingleput	..	33	..	71	110	214	..	..
North Arcot	..	..	..	(*d*) 307	927	1,234	..	1
South Arcot	..	..	99	..	606	705	..	..
Salem	1	219	189	140	1,032	1,581	..	226
Trichinopoly	1	..	33	..	282	316	..	62
Tanjore	4	..	4	..	10	18	..	..
Total	117	252	668	518	5,716	7,271	..	(*e*) 626
Southern Circle.								
South Canara	1	..	..	5	1,084	1,090	..	19
North Malabar	..	..	28	..	219	247	..	..
South Malabar	34	..	24	..	213	271	..	..
The Nilgiris	6	..	14	6	472	498	..	..
North Coimbatore	62	..	..	..	1,588	1,650	..	..
South Coimbatore	10	..	..	..	648	658	..	..
Madura	..	248	..	108	255	611	..	201
Tinnevelly	56	..	..	(*g*) 39	334	429	..	..
Total	169	248	66	158	4,813	5,454	..	(*f*) 220
Grand Total	358	658	1,756	1,061	15,708	19,541	..	1,199

* The figures in column 9 represent the cost incurred during the year under A-VIII (*d*).

(*a*) This is exclusive of the lump sum of Rs. 1,335 spent under Northern Circle "Direction" A-VIII (*d*).

(*b*) Less than a square mile. (*c*) Revised figure reported by the Collector.

(*d*) Includes Ambur Working-plan covering an area of 82 square miles sanctioned by the Board subsequent to the year under report.

(*e*) This is exclusive of an amount of Rs. 14 spent under "Direction" A-VIII (*d*).

(*f*) This is exclusive of an amount of Rs. 29 spent under "Direction" A-VIII (*d*).

(*g*) Includes 3 Working-Plans covering an area of 29 square miles sanctioned by the Board subsequent to the year under report.

ANNUAL.

Forest Department,

Communications

District.	New work undertaken during the year.					Total expenditure on new work.
	Buildings.		Roads and paths.			
	Description of building.	Expenditure incurred.	Road or path and object of the same.	Length of road or path.	Expenditure incurred.	
1	2	3	4	5	6	7
						Northern
Direction ..	....	RS. ..	....	MLS. ..	RS. ..	RS. ..
Ganjám ..	(*a*) Head-quarter houses ..	398	(*a*) Cart-roads	5	157	..
	(*b*) Rest-houses	90			(*e*) — 40	
	(*c*) Houses for subordinate establishments	115				
	Total, Ganjám ..	603	Total ..	5	117	720
Vizagapatam.	(*b*) Rest-houses	188	(*b*) Bridle-paths	5	402	..
	(*c*) Houses for subordinate establishments	100				
	(*d*) Others	60				
	Total, Vizagapatam ..	348	Total ..	5	402	750
Gódávari ..	(*b*) Rest-houses	318	(*a*) Cart-roads	2	1,704	..
	(*c*) Houses for subordinate establishments	383	(*b*) Bridle-paths	..	50	..
			(*c*) Others	..	3	..
	Total, Gódávari ..	701	Total ..	2	1,757	2,458
Kistna ..	(*a*) Head-quarter houses ..	540	(*a*) Cart-roads	19	1,134	..
	(*d*) Others	50	(*b*) Bridle-paths	7	10	..
	Total, Kistna ..	590	Total ..	26	1,144	1,734
Kurnool ..	(*b*) Rest-houses	3,102	(*a*) Cart-roads	..	1,231	..
	(*c*) Houses for subordinate establishments	190				
	Total, Kurnool ..	3,292	Total ..	..	1,231	4,523
Bellary ..	(*c*) Houses for subordinate establishments	49	(*a*) Cart-roads	3	12	..
	Deduct recovery made from a contractor during the year ..	18				
	Total, Bellary ..	31	Total ..	3	12	43

(*e*) Deducted as per Accountant-General's audited figures.

FORM No. 49.

Madras Presidency.

and Buildings.

Repairs executed during the year.

Buildings.		Roads and paths.			Total expended on repairs.
Nature of repairs.	Expenditure incurred.	Nature of repairs.	Length repaired.	Expenditure incurred.	
8	9	10	11	12	13
Circle.					
	RS.		MLS.	RS.	RS.
(a) Head-quarter	60	(a) Cart-roads	..	4	64
(b) Rest-houses	1,580	(a) Cart-roads	..	398	..
		(b) Bridle-paths	28	83	..
			28	481	2,061
		Add A-VII (c) ..	..	..	437
Total ..	1,580	Total ..	..	..	2,498
(a) Head-quarter houses	38	(a) Cart-roads	2	396	..
(b) Rest-houses	196				
(c) Houses for subordinate establishments	15		2	396 —* 1	862
(d) Others	184				
	433				
Add pay of certain temporary establishment	34	Add A-VII (c) ..	..	..	36
Total ..	467	Total ..	..	..	898
(a) Head-quarter houses	6	(a) Cart-roads	9	467	..
(b) Rest-houses	606	(c) Others	..	(e) 96	..
(c) Houses for subordinate establishments	200				
(d) Others	40		9	563	2,781
	852	Add A-VII (c) ..	..	..	10
Add pay of watchers ..	1,366				
Total ..	2,218	Total ..	..	..	2,791
(a) Head-quarter houses	839	(a) Cart-roads	26	347	..
(b) Rest-houses	172	(b) Bridle-paths	3	69	..
(d) Others	25	(c) Others	..	6	..
	1,036		29	422	1,463
Deduct recovery made on account of certain repairs executed during the previous year	3	Add A-VII (c) ..	..	..	566
	1,033				
Add pay of temporary establishment ..	8				
Total ..	1,041	Total ..	..	..	2,029
(a) Head-quarter houses	117	(a) Cart-roads	22	472	..
(b) Rest-houses	347	(b) Bridle-paths	..	36	..
(d) Others	287				
	751		22	508	1,718
Add pay of temporary establishments ..	460	Add A-VII (c) ..	..	..	440
Total ..	1,211 —* 1	Total ..	..	..	2,158
(b) Rest-houses	41	(a) Cart-roads	21	183	..
(c) Houses for subordinate establishments	27	(b) Bridle-paths	9	17	..
(d) Others	8		30	200+*1	277
		Add A-VII (c) ..	..	..	25
Total ..	76	Total ..	..	..	302

* Added or deducted as per Accountant-General's audited figures.

(e) Includes Rs. 46, pay of watchers.

Communication

District.	New work undertaken during the year.					
	Buildings.		Roads and paths.			Total expenditure on new work.
	Description of building.	Expenditure incurred.	Road or path and object of the same.	Length of road or path.	Expenditure incurred.	
1	2	3	4	5	6	7
						Norther
		RS.		MLS.	RS.	RS.
Anantapur ..	(*b*) Rest-houses	368	(*a*) Cart-roads	6	409	..
			(*b*) Bridle-paths	2	73	..
			(*c*) Others	..	* 88	..
	Total, Anantapur ..	368	Total ..	8	570	938
Total, Northern Circle.	(*a*) Head-quarter houses ..	938	(*a*) Cart-roads	35	4,607	..
	(*b*) Rest-houses	4,066	(*b*) Bridle-paths	14	535	..
	(*c*) Houses for subordinate establishments	819	(*c*) Others	..	91	..
	(*d*) Others	110				
	Total, Northern Circle ..	5,933	Total ..	49	5,233	11,166
						Central
rection ..	(*a*) Head-quarter houses ..	12	....	..	..	..
	Total, Direction ..	12	Total ..	..	..	12
Cuddapah ..	(*c*) Houses for subordinate establishments	75	....	..	..	..
	(*d*) Others	79	....	..	..	..
	Total, Cuddapah ..	154	Total ..	..	..	154
Nellore ..	....	..	....	..	..	..
	Total, Nellore ..	...	Total ..	..	..	..
Chingleput ..	....	..	....	..	..	..
	Total, Chingleput ..	..	Total ..	..	..	..
North Arcot ..	(*a*) Head-quarter houses ..	191	(*a*) Cart-roads	16	4,788	..
	(*b*) Rest-houses	2,387				
	(*c*) Houses for subordinate establishments	184				
	(*d*) Others	126				
	Total, North Arcot ..	2,888	Total ..	16	4,788	7,676

* This amount has been deducted from head A-VII (*b*) (Form No. 59) and transferred to head A-VII (*a*) as per revised figures furnished by Collector.

and Buildings—*cont.*

Repairs executed during the year.					
Buildings.		Roads and paths.			Total expended on repairs.
Nature of repairs.	Expenditure incurred.	Nature of repairs.	Length repaired.	Expenditure incurred.	
8	9	10	11	12	13
Circle—cont.					
	RS.		MLS.	RS.	RS.
(*a*) Head-quarter houses	36		..	..	651
(*b*) Rest-houses	76				
(*d*) Others	15				
	127				
Add pay of watchers	612				
Deduct Rs. 88 wrongly shown against this head	88				
Total ..	651	Total ..	..	..	651
(*a*) Head-quarter houses	(*g*)1,093	(*a*) Cart-roads	80	2,266	..
(*b*) Rest-houses	3,018	(*b*) Bridle-paths	12	206	..
(*c*) Houses for subordinate establishments	242	(*c*) Others	..	102	..
(*d*) Others	558				
	4,911		92	2,574	9,877
Add pay of temporary establishment ..	(*f*)2,392	Add A-VII (*c*) ..	..	..	1,514
Total ..	7,303	Total ..	..	..	11,391
Circle.					
.... ..	..	....	..	..	..
Total ..	..	Total ..	..	..	..
(*a*) Head-quarter houses	24				
(*b*) Rest-houses	516				
(*c*) Houses for subordinate establishments	8				
(*d*) Others	143				
	691		..	..	944
Add pay of bungalow watchers ..	257	Add A-VII (*c*) ..	..	..	53
Total ..	948—4*	Total ..	..	..	997
(*b*) Rest-houses	99	....	..	..	207
	99				
Add pay of watchers ..	108	Add A-VII (*c*) ..	..	..	221
Total ..	207	Total ..	..	..	428
(*a*) Head-quarter houses	100	(*a*) Cart-roads	5	195	773
(*b*) Rest-houses	445				
	545				
Add pay of temporary house-watchers.	40				
	585				
Deduct cash recovery ..	7	Add A-VII (*c*) ..	..	..	149
Total ..	578	Total ..	..	..	922
(*a*) Head-quarter houses	308	(*a*) Cart-roads	116	2,581	..
(*b*) Rest-houses	1,052	(*b*) Bridle-paths	18	203	..
(*c*) Houses for subordinate establishments	17	(*c*) Others	..	316	..
(*d*) Others	102				
	1,479		134	3,100	5,652
Add pay of temporary establishments.	1,073	Add A-VII (*c*) ..	..	..	378
Total ..	2,552	Total ..	..	..	6,030

(*f*) Excludes Rs. 88 referred to above against Anantapur.
(*g*) ,, Rs. 3 recovered an account of certain rspairs, referred to above.
* Added or deducted as per Accountant-General's audited figures.

District.	New work undertaken during the year.					
	Buildings.		Roads and paths.			Total expenditure on new work.
	Description of building.	Expenditure incurred.	Road or path and object of the same.	Length of road or path.	Expenditure incurred.	
1	2	3	4	5	6	7
						Central
		RS.		MLS.	RS.	RS.
South Arcot ..	....	..	....	..	..	..
	Total, South Arcot ..	..	Total ..	..	..	..
Salem ..	(*a*) Head-quarter houses ..	655	(*a*) Cart-roads	..	139	..
					* — 1	
	(*b*) Rest-houses	1,043	(*b*) Bridle-paths	4	1,383	..
	Total, Salem ..	1,698	Total ..	4	1,521	3,219
Tanjore ..	*Nil.*	..	*Nil.*	..	..	..
Trichinopoly ..	....	..	....	..	..	..
	Total, Trichinopoly ..	..	Total ..	..	..	..
Total, Central Circle.	(*a*) Head-quarter houses ..	858	(*a*) Cart-roads	16	4,926	..
	(*b*) Rest-houses	3,430	(*b*) Bridle-paths	4	1,383	..
	(*c*) Houses for subordinate establishments	259				
	(*d*) Others	205				
	Total, Central Circle ..	4,752	Total ..	20	6,309	11,061
						Southern
South Canara.	(*a*) Head-quarter houses ..	50		..	..	..
	(*c*) Houses for subordinate establishments	102		..	..	..
	Total, South Canara ..	152	Total ..	..	..	152
North Malabar.	(*c*) Houses for subordinate establishments	1,645		..	..	..
	(*d*) Others	176		..	..	..
	Total, North Malabar ..	1,821	Total ..	..	..	1,821
South Malabar.	(*a*) Head-quarter houses ..	212	(*a*) Cart-roads	7	395	..
	Total, South Malabar ..	212	Total ..	7	395	607
The Nilgiris ..	(*c*) Houses for subordinate establishment	136	(*a*) Cart-roads	2	69	..
	Total, The Nilgiris ..	136	Total ..	2	69	205

* Added or deducted as per Accountant-General's audited figures.

and Buildings—*cont.*

Repairs executed during the year.					
Buildings.		Roads and paths.			Total expended on repairs.
Nature of repairs.	Expenditure incurred.	Nature of repairs.	Length repaired.	Expenditure incurred.	
8	9	10	11	12	13
Circle—cont.					
	Rs.		Mls.	Rs.	Rs.
(*a*) Head-quarter houses	3	(*a*) Cart-roads	..	417	..
(*b*) Rest-houses	64				
(*c*) Houses for subordinate establishments	66				
	133		..	417	894
Add pay of watchers ..	344	Add A-VII (*c*) ..	..	..	65
Total ..	477	Total ..	..	..	959
(*a*) Head-quarter houses	303		..	..	1,172
(*b*) Rest-houses	878				
	1,181				
Deduct certain cash recoveries made ..	11				
		Add A-VII (*c*) ..	..	..	109
Total ..	1,170 *+ 2	Total ..	..	..	1,281
Nil.		*Nil.*			
(*b*) Rest-houses	780 (*f*) —14	(*a*) Cart-roads	4	310 (*g*)—350	726
Total ..	766	Total ..	..	..	726
(*a*) Head-quarter houses	738	(*a*) Cart-roads	121	3,153	..
(*b*) Rest-houses	3,334	(*b*) Bridle-paths	18	203	..
(*c*) Houses for subordinate establishments	91	(*c*) Others	..	316	..
(*d*) Others	245				
	4,908		139	3,672	10,368
Add pay of watchers ..	1,822 (*h*)—34	Add A-VII (*c*) ..	..	..	975
Total ..	6,696	Total ..	..	..	11,343
Circle.					
(*a*) Head-quarter houses	222				
(*c*) Houses for subordinate establishments	21				
(*d*) Others	81				
	324		..	..	396
Add pay of watchers ..	72	Add VII (*c*) ..	..	..	27
Total ..	396	Total ..	..	..	423
(*a*) Head-quarter houses	568	(*a*) Cart-roads	78	2,216	3,009
(*b*) Rest-houses	225				
		Add A-VII (*c*) ..	..	..	148
Total ..	793	Total ..	..	..	3,157
(*a*) Head-quarter houses	59	(*a*) Cart-roads	16	302	..
(*b*) Rest-houses	232	(*b*) Bridle-paths	33	61	..
(*c*) Houses for subordinate establishments	190				
(*d*) Others	14		49	363	860
		Add A-VII (*c*) ..	..	..	85
Total ..	495 + 2 *	Total ..	..	..	945
(*d*) Others	1,143	(*a*) Cart-roads	66	1,518	..
			66	1,518 — 1*	2,660
		Add A-VII (*c*) ..	..	..	167
Total ..	1,143	Total ..	..	..	2,827

(*f*) Deduction advised by the Accountant-General to the Collector in item 2 of the objection statement for May 1900.
(*g*) Deduction advised by the Accountant-General to the Collector in his office order, dated 20th June 1901.
(*h*) Amounts added or deducted with reference to the cash recoveries made and from the Accountant-General's audited figures, referred to above.
* Added or deducted as per Accountant-General's audited figures.

Communications.

District.	New work undertaken during the year.					
	Buildings.		Roads and paths.			Total expenditure on new work.
	Description of building.	Expenditure incurred.	Road or path and object of the same.	Length of road or path.	Expenditure incurred.	
1	2	3	4	5	6	7
						Southern
		Rs.		MLS.	Rs.	Rs.
North Coimbatore.	(a) Head-quarter houses ..	181	(a) Cart roads	35	472	..
	(b) Rest-houses	49				
	(d) Others	* 3,609				
	Total, North Coimbatore ..	3,839	Total ..	35	472	4,311
South Coimbatore.	(a) Head-quarter houses ..	264	(a) Cart roads	1	50	..
	(b) Rest-houses	1,114	(c) Others	..	326	..
	(d) Others	1,239				
	Total, South Coimbatore ..	2,617	Total ..	1	376	2,993
Madura ..	(b) Rest-houses	851	(a) Cart roads	2	1	..
			(b) Bridle-paths	7	204	..
				9	205	..
			Add pay of road watchers ..	..	84	..
	Total, Madura ..	851	Total ..	..	289	1,140
Tinnevelly ..	(b) Rest-houses	1,044	(a) Cart roads	4	29	
			(b) Bridle-paths	2	428	
			(c) Others	..	16	
	Total, Tinnevelly ..	1,044	Total ..	6	473	1,517
Total, Southern Circle.	(a) Head-quarter houses ..	707	(a) Cart roads	51	1,016	
	(b) Rest-houses	3,058	(b) Bridle-paths	9	632	
	(c) Houses for subordinate establishments	1,883	(c) Others	..	342	
	(d) Others	5,024				
				60	1,990	
			Add pay of road watchers ..	..	84	
	Total, Southern Circle ..	10,672	Total ..	..	2,074	12,746
Grand Total, Presidency.	(a) Head-quarter houses ..	2,503	(a) Cart roads	102	10,549	
	(b) Rest-houses	10,554	(b) Bridle-paths	27	2,550	
	(c) Houses for subordinate establishments	2,961	(c) Others	..	517	
	(d) Others	5,339				
				129	13,616	34,973
	Total, Presidency ..	21,357	Total ..	..	..	34,973

* Deducts certain cash recovery of Rs. 56 made from a certain contractor in connection with the fencing of the range office compound at Talamalai.

and Buildings—*cont.*

Repairs executed during the year.					
Buildings.		Roads and paths.			Total expended on repairs.
Nature of repairs.	Expenditure incurred.	Nature of repairs.	Length repaired.	Expenditure incurred.	
8	9	10	11	12	13
Circle—cont.					
	RS.		MLS.	RS.	RS.
(*a*) Head-quarter houses	25	(*a*) Cart roads	52	† 3,408	..
(*b*) Rest-houses	229	(*b*) Bridle-paths	..	3	..
(*d*) Others	41				
	295				
Add pay of watchers ..	377				
Total ..	672	Total ..	52	3,411	4,083
(*a*) Head-quarter houses	285	(*a*) Cart roads	21	1,576	..
(*b*) Rest-houses	465	(*b*) Bridle-paths	2	32	..
(*d*) Others	617	(*c*) Others	7	202	..
			30	1,810	3,177
		Add A-VII (*c*) ..	..	..	3,728
Total ..	1,367	Total ..	..	..	6,905
(*a*) Head-quarter houses	71				
(*b*) Rest-houses	16		..	..	497
(*c*) Houses for subordinate establishments	139	Add A-VII (*c*) ..	..	.	109
	226				
Add pay of rest-house watchers ..	355				
	581				
Deduct Rs. 84 spent on a rest-house building during the previous year but recovered during the current year.	84				
Total ..	497	Total ..	..	..	606
(*a*) Head-quarter houses ..	317	(*a*) Cart roads	73	2,526	
(*b*) Rest-houses	1,004	(*b*) Bridle-paths	51	808	
(*c*) Houses for subordinate establishments	169				
(*d*) Others	165				
			124	(*e*) 3,304	4,960
		Add A-VII (*c*) ..	..	..	207
Total ..	1,655+1*	Total ..	..	..	5,167
(*a*) Head-quarter houses	1,547	(*a*) Cart roads	306	11,545	
(*b*) Rest-houses	2,171	(*b*) Bridle-paths	86	874	
(*c*) Houses for subordinate establishments	519	(*c*) Other	..	202	
(*d*) Others	2,064				
	6,301		..	12,621	19,642
Add pay of watchers ..	720	Add A-VII (*c*) ..	..	..	4,471
Total ..	7,021	Total ..	..	..	24,113
(*a*) Head-quarter houses	3,378	(*a*) Cart roads	507	16,964	
(*b*) Rest-houses	9,023	(*b*) Bridle-paths	116	1,283	
(*c*) Houses for subordinate establishments	852	(*c*) Others	..	620	
(*d*) Others	2,867				
	16,120		623	18,867	39,887
Add pay of watchers ..	4,900	Add A-VII (*c*) ..	..	..	6,960
Total ..	21,020	Total ..	..	..	46,847

* Added or deducted as per Accountant-General's audited figures.
† Deducts cash recovery of Rs. 54 made from the contractor of Lokanhalli-Bylur Road.
(*e*) Deducts cash recovery of Rs. 30.

ANNUAL FORM No. 65.

Tramway Statement.

STATEMENT showing the results of transport of wood by tramway:

I.—*Nellore District.*

(i) Sríharikóta Range.

Capital Account.

—	1899-1900.	1900-1901.	—	1899-1900.	1900-1901.
Dr.	RS.	RS.	*Cr.*	RS.	RS.
To balance from the previous year.	15,266	16,783	By depreciation at 6 per cent.	1,071	1,007
Add stock	2,588	..	,, balance of stock	16,783	15,776
Total ..	17,854	16,783	Total ..	17,854	16,783

Revenue Account.

—	1899-1900.	1900-1901.	—	1899-1900.	1900-1901.
Dr.	RS.	RS.	*Cr.*	RS.	RS.
To working expenses	688	750	By balance written off ..	2,635	2,608
,, road-making and repairs ..	162	73			
,, interest at 4 per cent. ..	714	671			
,, depreciation at 6 per cent. ..	1,071	1,007			
,, repairs to waggons	..	107			
Total ..	2,635	2,608	Total ..	2,635	2,608

—	1899-1900.					1900-1901.				
	Number of tons of wood carried.	Number of miles carried.	Total ton-miles.	Actual charge for carrying.	Rate per ton-mile.	Number of tons of wood carried.	Number of miles carried.	Total ton-miles.	Actual charge for carrying.	Rate per ton-mile.
Work done	4,916½	4	19,666	RS. 2,636	RS. A. P. 0 2 1	3,450⅔	2½	8,626	RS. 2,608	RS. A. P. 0 4 10

—	1899-1900.			1900-1901.		
	Number of ton-miles.	Amount.	Rate per ton-mile.	Number of ton-miles.	Amount.	Rate per ton-mile.
Actual charge for carrying	19,666	RS. 2,636	RS. A. P. 0 2 2	9,626	RS. 2,609	RS. A. P. 0 4 4
Estimated cost of carting		25,812	1 5 0		12,634	1 5 0

ABSTRACT.

Year.	Profit.	Loss.
	RS.	RS.
1889-90	..	1,444
1890-91	8,487	
1891-92	3,742	
1892-93	13,807	
1893-94	13,063	
1894-95	15,153	
1895-96	9,100	
1896-97	23,920	
1897-98	25,450	
1898-99	30,399	
1899-1900	23,176	
1900-1901	10,026	
Total ..	1,76,323	
Deduct loss ..	1,444	
Net profit ..	1,74,879	

Statement showing the results of transport of wood by tramway—*cont.*

(ii) Casuarina Plantation Range.

Capital Account.

—	1899-1900.	1900-1901.	—	1899-1900.	1900-1901.
Dr.	Rs.	Rs.	*Cr.*	Rs.	Rs.
To balance from the previous year ..	11,058	16,476	By depreciation at 6 per cent. ..	1,052	989
Add new stock	6,470	..	,, balance of stock	16,476	15,487
Total ..	17,528	16,476	Total ..	17,528	16,476

Revenue Account.

—	1899-1900.	1900-1901.	—	1899-1900.	1900-1901.
Dr.	Rs.	Rs.	*Cr.*	Rs.	Rs.
To working expenses	1,331	1,556	By balance written off	3,885	3,648
,, road repairs	345	239			
,, interest at 4 per cent.	701	659			
,, depreciation at 6 per cent. ..	1,052	989			
,, repairs to waggons	456	206			
Total ..	3,885	3,648	Total ..	3,885	3,648

—	1899-1900.					1900-1901.				
	Number of tons of wood carried.	Number of miles carried.	Total ton miles.	Actual charge for carrying.	Rate per ton mile.	Number of tons of wood carried.	Number of miles carried.	Total ton miles.	Actual charge for carrying.	Rate per ton mile.
				Rs.	Rs. A. P.				Rs.	Rs. A. P.
Work done	2,011 5/13	6½	13,074	3,885	0 4 8	10,433¾	7½	21,881¼	3,648	0 2 8

—	1899-1900.			1900-1901.		
	Number of ton-miles.	Amount.	Rate per ton-mile.	Number of ton-miles.	Amount.	Rate per ton-mile.
		Rs.	Rs. A. P.		Rs.	Rs. A. P.
Actual charge for carrying	13,074	3,885	0 4 9	21,881¼	3,648	0 2 8
Estimated cost of carting		17,160	0 1 5		26,201	0 1 5

Abstract.

Year.	Profit.	Loss.
	Rs.	Rs.
1885-86	1,735	
1886-87	5,030	
1887-88	..	
1888-89	6,272	
1889-90	545	
1890-91	7,323	
1891-92	4,646	
1892-93	5,290	
1893-94	5,351	536
1894-95	5,261	
1895-96	4,826	
1896-97	3,981	
1897-98	7,000	
1898-99	3,224	
1899-1900	13,275	
1900-1901	22,553	
Total ..	96,312	
Deduct loss ..	536	
Net profit ..	95,776	

Statement showing the results of wood by tramway—*cont.*

II.—*South Coimbatore District.*

Capital Account.

—	1899-1900.	1900-1901.	—	1899-1900	1900-1901.
Dr.	RS.	RS.	*Cr.*	RS.	RS.
To balance from the previous year ..	40,723	38,658	By depreciation at 6 per cent. ..	2,467	2,381
,, repairs to tram trucks	93	281	,, balance of stock	38,659	37,302
,, extension of tram line beyond Sungam	310	(*a*) 744			
Total ..	41,126	39,683	Total ..	41,126	39,683

Revenue Account.

—	1899-1900.	1900-1901.	—	1899-1900.	1900-1901.
Dr.	RS.	RS.	*Cr.*	RS.	RS.
To working expenses	2,373	3,014	By balance written off	6,706	7,989
,, depreciation at 6 per cent. ..	2,467	2,381			
,, interest at 4 per cent.	1,645	1,587			
,, repairs to tram road and deviation of tram line	221	202 (*b*) 805			
Total ..	6,706	7,989	Total ..	6,706	7,989

—	1899-1900.					1900-1901.				
	Number of tons of timber carried.	Number of miles carried.	Total ton-miles.	Actual charge for carrying.	Rate per ton-mile.	Number of tons of timber carried.	Number of miles carried.	Total ton-miles.	Actual charge for carrying.	Rate per ton-mile.
				RS.	RS. A. P.				RS.	RS. A. P.
Work done ..	$113\frac{7}{8}$ tons (4,555 c ft.).	4	456	6,706	1 8 5	$278\frac{14}{40}$ tons (11,134 c. ft.).	4	1,113	7,989	1 11 11
	$136\frac{3}{5}$ tons (5,472 c. ft.).	$3\frac{3}{4}$	513			$511\frac{29}{40}$ tons (20,469 c. ft.).	$5\frac{3}{4}$	2,814		
	$277\frac{2}{5}$ tons (11,096 c. ft.).	$5\frac{1}{3}$	1,526			$13\frac{33}{40}$ tons (552 c. ft.).	$5\frac{1}{4}$	72		
	$339\frac{7}{40}$ tons (13,567 c. ft.).	$5\frac{1}{4}$	1,780			$191\frac{37}{40}$ tons. (7,677 c. ft.).	3	576		
	$36\frac{3}{40}$ tons (1,453 c. ft.).	3	109							
			4,384					4,575		

—	1899-1900.			1900-1901.		
	Number of ton-miles.	Amount.	Rate per ton-mile.	Number of ton-miles.	Amount.	Rate per ton-mile.
		RS.	RS. A. P.		RS.	RS. A. P.
Actual charge for carrying	4,384	6,706	1 8 6	4,575	7,989	1 11 11
Estimated cost of carting	4,384	4,566	1 0 8	4,575	4,765	1 0 8
Actual cost of maintaining cart-road before the construction of tramway (now saved)	..	1,200	..	..	1,200	..
Cost of extension of road beyond Sungum	..	310	..	..	310	..
Total estimated cost of carting ..	..	6,076	..	..	6,275	..
Loss ..	..	630	..	..	(*c*) 1,714	..

ABSTRACT OF LOSS.

Year.	Loss. RS.	Year.	Loss. RS.	Year.	Loss. RS.
1889-90	4,155	1894-95	1,743	1899-1900	630
1890-91	3,048	1895-96	1,236	1900-1901	1,704
1891-92	4,711	1896-97	778		
1892-93	4,718	1897-98	64	Total ..	27,787
1893-94	2,392	1898-99	2,608		

(*a*) Half the price of 10 pairs of bullocks purchased. (*b*) Half the cost of feed and keep of bullocks.
(*c*) Incorrectly entered in the district return as Rs. 1,703-12-0 or in round figure 1,704.

Annual Form No. 50.

Forest Department, Madras Presidency.

Register of Breaches of Forest Rules during 1900–1901.

District.		Cases pending from 1900–1901.	New cases of the year.					Total cases.	Disposed of during the year.						Cases pending at close of year.
			Injury to forest by fire.	Unauthorized felling or appropriation of wood and minor forest produce.	Grazing without permission or in tracts in which grazing is prohibited.	Other offences.	Total new cases of the year.		Convictions.		Acquittals.		Total.		
									Cases.	Persons.	Cases.	Persons.	Cases.	Persons.	
1		2	3	4	5	6	7	8	9	10	11	12	13	14	15
						Northern Circle.									
Ganjám	A	(*a*) 47	1	182	50	2	235	282	186	428	22	136	208 * 51	564 * 193	23
	B	(*a*) 8	..	108	10	..	118	126	119	269	..	..	119	269	7
	C	..	..	24	2	..	26	..	..	..	..	..	..	..	..
	Total ..	55	1	314	62	2	379	408	305	697	22	136	327 * 51	833 * 193	30
Vizagapatam ..	A	(*b*) 24	4	204	51	15	274	298	258	701	8	71	266	772	32
	B	39	..	196	79	12	287	326	221	449	..	..	221 * 76	449 * 191	29
	C	..	3	1	..	..	4	..	..	..	..	..	..	..	..
	Total ..	63	7	401	130	27	565	624	479	1,150	8	71	487 * 76	1,221 * 191	61
Gódávari ..	A	(*d*) 46 † 2	..	81 † 1	37	9 † 8	127 † 9	173 † 11	118 † 8	362 † 12	13 † 1	58 † 4	131 † 9 * 12	420 † 16 * 40	30 † 2
	B	(*d*) 11	1	133 † 1	108	36 † 2	278 † 3	289 † 3	166	413	..	..	166 * 100 † * 3	413 * 293 † * 7	23
	C	..	2	2	..	..	4	..	..	..	..	..	..	..	..
	Total ..	57 † 2	3	216 † 2	145	45 † 10	409 † 12	462 † 14	284 † 8	775 † 12	13 † 1	58 † 4	297 † 9 * 112 † * 3	833 † 16 * 333 † * 7	53 † 2
Kistna	A	22	..	71	87	7	165	187	137	542	19	79	156	621	31
	B	(*c*) 124	2	525	649	29	1,205	1,329	1,232	4,404	..	..	1,232 * 19	4,404 * 50	78
	C	..	12	50	43	17	122	..	..	..	..	..	..	..	..
	Total ..	146	14	646	779	53	1,492	1,516	1,369	4,946	19	79	1,388 * 19	5,025 * 50	109

A. Cases taken into Court. B. Cases compounded. C. Cases undetected. * Withdrawn under the orders of the District Forest-officer.

† Drift wood cases.

(*a*) The closing balance under items A and B in column 15 of the previous year's return was 45 and 10, respectively. Of these 2 cases were transferred from B to A during the year under report.

(*b*) The closing balance under item A in column 15 of the previous year's return was entered as 31. The Collector gives the opening balance as 24 which is presumably the revised figure.

(*c*) The discrepancy between the closing balance of the previous year and the opening balance of the year under report has not been explained by Collector.

(*d*) The closing balance under items A and B in column 15 of the previous year's return was 44 and 13, respectively; of these 2 cases under head B were transferred to A during the year under report.
† 2

Register of Breaches of Forest Rules during 1900–1901—*cont.*

District.		Cases pending from 1900–1901.	New cases of the year.					Total cases.	Disposed of during the year.						Cases pending at close of year.
			Injury to forest by fire.	Unauthorized felling or appropriation of wood and minor forest produce.	Grazing without permission or in tracts in which grazing is prohibited.	Other offences.	Total new cases of the year.		Convictions.		Acquittals.		Total.		
									Cases.	Persons.	Cases.	Persons.	Cases.	Persons.	
1		2	3	4	5	6	7	8	9	10	11	12	13	14	15
Northern Circle—cont.															
Kurnool	A	(*a*) 129	1	373	199	44	614	743	508	1,523	67	224	575 * 58	1,747 * 186	110
	B	(*a*) 39	..	179	130	12	321	360	260	690	..	..	260 * 44	690 * 134	56
	C	..	..	28	1	3	32	..	..	..	..	..	..	..	..
	Total ..	168	1	580	330	56	967	1,103	768	2,213	67	224	835 * 102	2,437 * 320	166
Bellary	A	10	..	34	22	2	58	68	44	147	7	22	51 * 2	169 * 4	15
	B	103	2	407	189	28	626	729	604	1,738	..	..	604 * 82	1,738 * 205	43
	C	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Total ..	113	2	441	211	30	684	797	648	1,885	7	22	655 * 84	1,907 * 209	58
Anantapur ..	A	14	..	17	51	2	70	84	58	233	17	49	75 * 5	282 * 9	4
	B	26	1	154	268	6	429	455	287	959	..	..	287 * 58	959 * 177	110
	C	..	23	..	..	..	23	..	..	..	..	..	..	..	..
	Total ..	40	24	171	319	8	522	539	345	1,192	17	49	362 * 63	1,241 * 186	114
Total, Northern Circle.	A	294	6	963	497	86	1,552	1,846	1,317	3,948	154	643	1,471 * 128	4,591 * 432	247
	B	350	6	1,703	1,433	125	3,267	3,617	2,889	8,922	..	..	2,889 * 382	8,922 * 1,057	346
	C	..	40	105	46	20	211	..	..	..	..	..	..	..	..
Grand Total, Northern Circle ..		644	52	2,771	1,976	231	5,030	5,463	4,206	12,870	154	643	4,360 * 510	13,513 * 1,489	593

A. Cases taken into Court. B. Cases compounded. C. Cases undetected. * Withdrawn under the orders of the District Forest-officer.

(*a*) The closing balance under items A and B in column 15 of the previous year's return was 110 and 58 respectively; of these, 19 cases were transferred from B to A.

Register of Breaches of Forest Rules during 1900–1901—*cont.*

District.		Cases pending from 1900–1901.	New cases of the year.					Total cases.	Disposed of during the year.						Cases pending at close of year.
			Injury to forest by fire.	Unauthorized felling or appropriation of wood and minor forest produce.	Grazing without permission or in tracts in which grazing is prohibited.	Other offences.	Total new cases of the year.		Convictions.		Acquittals.		Total.		
									Cases.	Persons.	Cases.	Persons.	Cases.	Persons.	
1		2	3	4	5	6	7	8	9	10	11	12	13	14	15
Central Circle.															
Cuddapah ..	A	(*a*) 109	6	263	381	77	727	836	669	1,527	61	329	730 / * 6	1,856 / * 15	100
	B	(*a*) 112	4	389	371	141	905	1,017	703	1,573	..	..	703 / * 149	1,573 / * 390	165
	C	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Total ..	221	10	652	752	218	1,632	1,853	1,372	3,100	61	329	1,433 / * 155	3,429 / * 405	265
Nellore	A	(*b*) 58	1	159	240	14	414	472	347	758	19	97	366 / * 18	855 / * 42	88
	B	(*b*) 11	..	197	365	9	571	582	395	953	..	..	395 / * 161	953 / * 219	26
	C	..	..	22	18	4	44	..	..	..	..	..	..	..	..
	Total ..	69	1	378	623	27	1,029	1,054	742	1,711	19	97	761 / * 179	1,808 / * 261	114
Chingleput ..	A	(*c*) 75	..	132	31	39	202	277	160	237	18	35	178 / * 81	272 / * 107	18
	B	(*c*) 286	..	945	253	52	1,250	1,536	1,338	1,497	..	..	1,338 / * 31	1,497 / * 32	167
	C	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Total ..	361	..	1,077	284	91	1,452	1,813	1,498	1,734	18	35	1,516 / * 112	1,769 / * 139	185
North Arcot ..	A	(*d*) 112	..	272	414	51	737	849	511	1,316	40	123	551 / * 24	1,439 / * 60	274
	B	(*d*) 225	4	501	1,249	126	1,880	2,105	1,632	3,048	..	..	1,632 / * 145	3,048 / * 331	328
	C	..	104	13	5	..	(*f*) 122	..	..	..	..	..	..	..	..
	Total ..	337	108	786	1,668	(*e*) 177	2,739	2,954	2,143	4,364	40	123	2,183 / * 169	4,487 / * 391	602

A. Cases taken into Court. B. Cases compounded. C. Cases undetected. * Withdrawn under the orders of the District Forest-officer.

(*a*) The closing balance under items A and B in column 15 of the previous year's return was 123 and 98 respectively, but 14 cases were transferred from A to B.

(*b*) The variations in the figures between the closing balance of the previous year and the opening balance of the year under report has not been explained by Collector. The sum total, however remains the same.

(*c*) The closing balance under items A and B in column 15 of the previous year's return was 58 and 303 (revised figure reported by Collector) respectively, but 17 cases under B were transferred to A during the year under report.

(*d*) The closing balance under items A and B in column 15 of the previous year's return was 71 and 266 respectively, but during the year under report 23 cases were transferred from A to B and 64 from B to A.

(*e*) Incorrectly entered by Collector as 181.

(*f*) Incorrectly entered by Collector as 126.

Register of Breaches of Forest Rules during 1900-1901—*cont.*

District.		Cases pending from 1900-1901.	New cases of the year.					Total cases.	Disposed of during the year.						Cases pending at close of year.
			Injury to forest by fire.	Unauthorized felling or appropriation of wood and minor forest produce.	Grazing without permission or in tracts in which grazing is prohibited.	Other offences.	Total new cases of the year.		Convictions.		Acquittals.		Total.		
									Cases.	Persons.	Cases.	Persons.	Cases.	Persons.	
1		2	3	4	5	6	7	8	9	10	11	12	13	14	15
						Central Circle—cont.									
South Arcot ..	A	(*a*) 311	..	633	260	42	935	1,246	883	2,504	30	110	913 * 73	2,614 * 176	260
	B	(*a*) 198	..	818	938	72	1,828	2,026	1,708	3,316	..	..	1,708	3,316	318
	C	98	16	285	122	34	(*e*) 457	..	..	..	..	..	..	..	..
	Total ..	607	16	1,736	1,320	148	3,220	3,272	2,591	5,820	30	110	2,621 * 73	5,930 * 176	578
Salem	A	(*b*) 137	4	505	257	9	775	912	491	1,536	122	467	613 * 22	2,003 * 106	277
	B	(*b*) 60	..	887	856	17	1,760	1,820	1,426	3,423	..	..	1,426 * 120	3,423 * 393	274
	C	..	7	17	31	2	57	..	..	..	..	..	..	..	..
	Total ..	197	11	1,409	1,144	28	2,592	2,732	1,917	4,959	122	467	2,039 * 142	5,426 * 499	551
Trichinopoly ..	A	(*c*) 32	1	46	24	28	99	131	95	285	18	80	113	365	18
	B	(*c*) 141	..	556	344	69	969	1,110	888	2,217	..	..	888 * 30	2,217 * 55	192
	C	..	..	1	36	..	37	..	..	..	..	..	..	..	..
	Total ..	173	1	603	404	97	1,105	1,241	983	2,502	18	80	1,001 * 30	2,582 * 55	210
Tanjore	A	(*d*) 47	..	36	32	5	73	120	93	297	19	32	112 * 1	329 * 3	7
	B	(*d*) 12	..	55	65	4	124	136	99	206	..	..	99	206	37
	C	(*d*) 6	..	9	17	1	27	..	..	..	..	..	..	..	..
	Total ..	65	..	100	114	10	224	256	192	503	19	32	211 * 1	535 * 3	44

A. Cases taken into Court. B. Cases compounded. C. Cases undetected. * Withdrawn under the orders of the District Forest-officer.

(*a*) The closing balance under items A and B in column 15 of the previous year's return was 173 and 275 respectively. One hundred and thirty-eight cases were since transferred from B to A and 61 cases from C to B.

(*b*) The closing balance under items A and B in column 15 of the previous year's return was 124 and 73 respectively. Thirteen cases under B were transferred to A during the year under report.

(*c*) The closing balance under items A and B in column 15 of the previous year's return was 20 and 153 respectively, but 12 cases under B were transferred to A during the year under report.

(*d*) Revised figures.

(*e*) Including the pending cases, the number of cases under item (*C*) is 555. Of these, 506 cases were either struck off the file or the parties were let off with mere impounding of cattle or cancellation of permit for breach of conditions of permit, leaving a balance of 49 for disposal at the end of the year.

Register of Breaches of Forest Rules during 1901-1901—*cont.*

District.		Cases pending from 1900-1901.	New cases of the year.					Total cases.	Disposed of during the year.						Cases pending at close of year.
			Injury to forest by fire.	Unauthorized felling or appropriation of wood and minor forest produce.	Grazing without permission or in tracts in which grazing is prohibited.	Other offences.	Total new cases of the year.		Convictions.		Acquittals.		Total.		
									Cases.	Persons.	Cases.	Persons.	Cases.	Persons.	
1		2	3	4	5	6	7	8	9	10	11	12	13	14	15
Central Circle—cont.															
Total, Central Circle.	A	881	12	2,046	1,639	265	3,962	4,843	3,249	8,460	327	1,273	3,576 * 225	9,733 * 509	1,042
	B	1,045	8	4,348	4,441	490	9,287	10,332	8,189	16,233	..	..	* 8,189 * 636	16,233 * 1,420	1,507
	C	104	127	347	229	41	(*d*) 744	..	..	..	..	..	..	..	..
Grand Total, Central Circle ..		2,030	147	6,741	6,309	796	13,993	15,175	11,438	24,693	327	1,273	11,765 * 861	25,966 * 1,929	2,549
Southern Circle.															
South Canara† ..	A	(*a*) 94	6	123	17	38	184	278	136	333	54	127	190 * 64	460 * 114	24
	B	(*a*) 60	6	235	4	50	295	355	305	623	..	..	305	623	50
	C	..	10	4	..	5	19	..	..	..	..	..	..	..	..
	Total ..	154	22	362	21	93	498	633	441	956	54	127	495 * 64	1,083 * 114	74
North Malabar ..	A	(*b*) 2	1	3	7	5	16	18	14	30	1	3	15 * 1	33 * 2	3 1
	B	..	..	..	2	..	2	2	1	2	..	..	..	..	..
	C	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Total ..	2	1	3	9	5	18	20	15	32	1	3	15 * 1	33 * 2	4
South Malabar ..	A	(*c*) 1	..	6	2	1	9	10	4	10	1	5	5 * 4	15 * 10	1
	B	(*c*) 1	..	8	..	1	9	10	9	31	..	..	9	31	1
	C	..	..	1	..	..	1	..	..	..	..	..	..	..	..
	Total ..	2	..	15	2	2	19	20	13	41	1	5	14 * 4	46 * 10	2
The Nilgiris ..	A	11	2	45	53	24	124	135	63	152	13	25	76	177	59
	B	1	..	64	20	11	95	96	73	220	..	..	73	220	23
	C	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Total ..	12	2	109	73	35	219	231	136	372	13	25	149	397	82

A. Cases taken into Court. B. Cases compounded. C. Cases undetected.

* Withdrawn under the orders of the District Forest-officer. † Excludes 6,784 petty offences against 8,058 persons.

(*a*) The closing balance under items A and B in column 15 of the previous year's return was 72 and 82 respectively, the Collector's revised figures being 71 and 83. Of these, 23 cases were transferred from head B to A.

(*b*) Revised figure reported by the Collector.

(*c*) Out of the two cases shown as pending at the end of the previous year, one has since been transferred to B.

(*d*) Of the 744 cases shown in column 7 under head C, 457 belong to South Arcot and including the 98 cases pending from 1900-01 the total number of cases under C in South Arcot is 555. Out of this large number 509 cases were either struck the file or the parties were left off with mere impounding of cattle or cancellation of permit, leaving a balance of 49 cases for disposal at the end of the year.

Register of Breaches of Forest Rules during 1900-1901—*cont.*

District.		Cases pending from 1900-1901.	New cases of the year.					Total cases.	Disposed of during the year.						Cases pending at close of year.
			Injury to forest by fire.	Unauthorized felling or appropriation of wood and minor forest produce.	Grazing without permission or in tracts in which grazing is prohibited.	Other offences.	Total new cases of the year.		Convictions.		Acquittals.		Total.		
									Cases.	Persons.	Cases.	Persons.	Cases.	Persons.	
1		2	3	4	5	6	7	8	9	10	11	12	13	14	15
Southern Circle—cont.															
North Coimbatore.	A	(a) 67	..	81	55	6	142	209	145	486	28	141	173 * 6	627 * 29	(b) 30
	B	(a) 6	1	90	45	6	142	148	86	229	..	..	86 * 50	229 * 145	(b) 12
	C	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Total ..	73	1	171	100	12	284	357	231	715	28	141	259 * 56	856 * 174	42
South Coimbatore..	A	5	3	92	21	12	128	133	106	345	12	29	118 * 4	374 * 17	11
	B	12	..	136	65	10	211	223	152	372	..	..	152 * 44	372 * 132	27
	C	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Total ..	17	3	228	86	22	339	356	258	717	12	29	270 * 48	746 * 149	38
Madura	A	(c) 108	2	402	239	35	678	786	492	1,716	41	173	533 * 27	1,889 * 74	226
	B	(c) 36	..	249	203	2	454	490	416	1,414	..	..	416 * 21	1,414 * 34	53
	C	2	11	80	20	6	67	..	..	..	..	..	..	..	..
	Total ..	146	13	681	462	43	1,199	1,276	908	3,130	41	173	949 * 48	3,303 * 108	279

A. Cases taken to Court. B. Cases compounded. C. Cases undetected. * Withdrawn under the orders of the District Forest-officer.

(a) Revised figures reported by Collector. (b) Incorrectly entered by Collector as 29 and 13 respectively.

(c) The closing balance under items A and B in column 15 of the previous year's return was 76 and 68 respectively, but 32 cases under the head B were transferred to the head A during the year under report.

Register of Breaches of Forest Rules during 1900-1901—*cont.*

District.		Cases pending from 1900-1901.	New cases of the year.					Total cases.	Disposed of during the year.						Cases pending at close of year.
			Injury to forest by fire.	Unauthorized felling or appropriation of wood and minor forest produce.	Grazing without permission or in tracts in which grazing is prohibited.	Other offences.	Total new cases of the year.		Convictions		Acquittals.		Total.		
									Cases.	Persons.	Cases.	Persons.	Cases.	Persons.	
1		2	3	4	5	6	7	8	9	10	11	12	13	14	15
Southern Circle—cont.															
Tinnevelly ..	A	14	4	60	3	5	162	176	150	319	17	65	167	384	9
	B	31	..	234	94	8	336	367	285	772	..	..	285 * 66	772 * 145	16
	C	..	9	24	..	..	33	..	..	..	..	..	..	..	..
	Total ..	45	13	318	187	13	531	543	435	1,091	17	65	452 * 66	1,156 * 145	25
Total, Southern Circle.	A	302	18	812	487	126	1,443	1,745	1,110	3,391	167	568	1,277 * 106	3,959 * 246	362
	B	147	7	1,016	433	88	1,544	1,691	1,326	3,661	..	..	1,326 * 181	3,661 * 456	184
	C	2	30	59	20	11	120	..	..	..	..	..	..	..	..
Grand Total, Southern Circle ..		451	55	1,887	940	225	3,107	3,436	2,436	7,052	167	568	2,603 * 287	7,620 * 702	546
Total, Presidency ..	A	1,477	36	3,821	2,623	477	6,957	8,434	5,676	15,799	648	2,484	6,324 * 459	18283 * 1,187	1,651
	B	1,542	21	7,067	6,307	703	14,098	15,640	12,404	26,816	..	..	12,404 * 1,199	28,816 * 2,933	2,037
	C	106	197	511	295	72	1,075	..	..	..	..	..	..	..	..
Grand Total, Presidency ..		3,125	254	11,399	9,225	1,252	22,130	24,074	18,080	42,615	648	2,484	18,728 * 1,658	47,099 * 4,120	3,688

* Withdrawn under the orders of the District Forest-officer.

A. Cases taken into court. B. Cases compounded. C. Cases undetected.

ANNUAL FORM NO. 51.

Forest Department, Madras Presidency.

AREA of Forest Tracts protected from Fire during 1900-1901.

District.	Forest tracts.	Year in which protection commenced.	Area protected during the previous year.	During dry season of 1901.			Cost during the season.	Remarks.
				Area attempted to be protected.	Fires.	Actually protected.		
1	2	3	4	5	6	7	8	9
	Northern Circle.		ACS.	ACS.	ACS.	ACS.	RS.	
Ganjám— (Special)— Kukuluba.	Brahmanasai	1901 ..	..	808	..	808	112	
Mojjaguda	Gulleri	1901 ..	..	382	..	382	82	
Buguda..	Kurcholi	1901 ..	..	1,268	4	1,264	65	
	Total, Special ..	..	..	2,458	4	2,454	259	
(General)— Kukuluba.	Gogodo	1890 ..	9,967	10,327	50	10,277	72	
	Chodiapalli	1891 ..	907	907	2	905	36	
	Chendragiri	1885 ..	17,851	18,320	645	17,675	108	
	Brahmanasai	1889 ..	7,017	7,033	150	6,883	72	
	Total, Kukuluba ..	..	35,742	36,587	847	35,740	288	
Mojjaguda.	Tiliki	1889 ..	3,947	4,000	71	3,929	32	
	Dhimirijholi	1889 ..	5,486	5,486	60	5,426	32	
	Darpangia	1889 ..	5,985	6,000	560	5,440	48	
	Gulleri	1889 ..	23,664	27,258	228	27,030	128	
	Kaliamba	1889 ..	8,854	8,896	186	8,710	64	
	Baiballi	1889 ..	9,969	10,000	100	9,900	48	
	Total, Mojjaguda ..	..	57,905	61,640	1,205	60,435	352	
Suradá ..	Dabuki	1890 ..	1,450	1,450	2	1,448	48	
	Dowgam	1889 ..	2,199	2,279	160	2,119	16	
	Pippalaponka	1889 ..	3,500	4,000	83	3,917	63	
	Total, Suradá ..	..	7,149	7,729	245	7,484	127	
Buguda ..	Panchabhuthi	1889 ..	4,320	4,320	420	3,900	80	
	Kurcholi	1889 ..	5,821	4,805	595	4,210	80	
	Total, Buguda ..	..	10,141	9,125	1,015	8,110	160	
Berhampore.	Ramagoda	1885 ..	7,907	7,955	24	7,931	32	
	Baniamari	1885 ..	3,722	4,030	178	3,852	32	
	South Mohiri	1885 ..	3,414	3,418	52	3,366	32	
	Total, Berhampore ..	..	15,043	15,403	254	15,149	96	
	Total, General ..	..	* 125,980	130,484	3,566	126,918	1,023	
	Total, Ganjám (Special and General).	..	125,980	132,942	3,570	129,372	1,282	
* Vizagapatam— (Special).	Kadagandi block ..	1900-1901.	10,765	11,064	270	10,794	245	Protected by special works and special staff of patrols.
	Barnakonda	1900-1901.	13,417	600	489	111	58	
	Madalammakonda Working Circle.	1900-1901.	† 374	2,900	..	2,900	41	
	Total, Special ..	..	24,556	14,564	759	13,805	344	
(General).	Peddapalli	1892 ..	9,077	9,077	..	9,077	39	Protected by concentration of special staff.
	Total, Vizagapatam, (Special and General).	..	33,633	23,641	759	22,882	383 + ‡ 39	
Gódávari— (General)— Bhadráchalam range.	Dummagudem reserved forest.	1887 ..	6,110	6,110	18	6,092	140	
	Arlagudem reserved forest.	1888 ..	6,136	6,136	2	6,134	140	
	Gogubaka reserved forest.	1887 ..	1,666	1,666	..	1,666	35	
	Total, Bhadráchalam ..	..	13,912	13,912	20	13,892	315	
Marrigudem range.	Repaka reserved forest	1887 ..	6,895	7,000	..	7,000	123	
	Ramachandram do.	1887 ..	10,300	10,300	..	10,300	157	
	Tatlanka do.	1887 ..	11,865	12,000	..	12,000	158	
	Total, Marrigudem ..	..	29,060	29,300	..	29,300	438	

* The areas under special as well as general protection are shown separately during this year. Chinnagora and twelve other blocks which were shown in the last year's return as being protected are now dropped out as they were not protected during the year.

† Revised figure reported by Collector.

‡ Added or deducted as per Accountant-General's audited figures.

Area of Forest Tracts protected from Fire during 1900-1901—*cont.*

District.	Forest tracts.	Year in which protection commenced.	Area protected during the previous year.	During dry season of 1901.			Cost during the season.	Remarks.
				Area attempted to be protected.	Fires.	Actually protected.		
1	2	3	4	5	6	7	8	9
	Northern Circle—cont.		ACS.	ACS.	ACS.	ACS.	RS.	
Gódávari—*cont.* (General)—*cont.* Rekapalli range.	Mattapalli reserved forest.	1887 ..	9,354	9,500	..	9,500	100	
	Rekapalli hills reserve Compartment No. I.	1901 ..	..	6,000	20	5,980	153	
	Total, Rekapalli ..	..	9,354	15,500	20	15,480	253	
	* Total for the Sub-division.	..	52,326	58,712	40	58,672	1,006	
Rajahmundry range.	Devancheruvu reserved forest.	1887 ..	2,051	2,051	..	2,051	29	
	Kovida reserved forest .	1889 ..	1,280	1,280	..	1,280	32	
	Murari do. ..	1889 ..	700	700	..	700	16	
	Sudikonda do. ..	1887 ..	6,879	6,880	..	6,880	32	
	Tirumalayapalem reserved forest.	1887 ..	5,150	5,150	..	5,150	48	
	Mallavaram reserved forest.	1887 ..	7,600	7,600	..	7,600	29	
	Molleru reserved forest..	1887 ..	8,250	8,250	·2	8,250	16	
	Lakkonda do. ..	1887 ..	13,104	13,104	..	13,104	32	
	Total, Rajahmundry ..	..	45,014	45,015	..	45,015	234	
Peddápuram range.	Thotapalli reserved forest.	1890 ..	2,149	2,150	..	2,150	32	
Yernagúdem range.	Jilugumalli reserved forest.	1898 ..	3,300	3,318	..	3,318	38	
	Beddadavole reserved forest.	1890 ..	14,685	15,000	·5	14,999	160	
	Marlagudem reserved forest.	1890 ..	2,100	2,100	..	2,100	85	
	Barrinkalapadu reserved forest.	1898 ..	1,650	1,650	..	1,650	19	
	Fire tracing the Northern boundary of the reserves adjoining Hyderabad boundary.						22	
	Total, Yernagúdem ..	..	21,735	22,068	1	22,067	324	
Ellore range.	Barrikonda reserved forest.	1888 ..	3,500	3,500+510 extension.	..	4,010	64	
	Bandamcherla reserved forest.	1888 ..	5,200	5,200	..	5,200	80	
	Erraguntapalli reserved forest.	1888 ..	8,640	8,640	..	8,640	112	
	Fire tracing the portion along the Hyderabad boundary of Erraguntapalli and Barrikonda reserves.						16	
	Total, Ellore ..	..	17,340	17,850	..	17,850	272	
	Total, General ..	..	86,238	87,083	1	87,082	862	
	Total, Gódávari (General).	..	138,564	145,795	41	145,754	1,868	
Kistna—(Special)—	Kondapalli reserve compartments 2, 5 and 6.	1884-85 ..	3,760	20,722	..	20,722	186	
	Tadepalli reserve	1889-90 ..	2,302	1,150	..	1,150	14	
	Kondavid reserve	1888-89 ..	12,857	4,457	40	4,417	27	
	Venkatayapalem reserve compartments 1, 2 and 3.	1894-95 ..	15,588	15,588	63	15,525	40	
	Gangalakunta reserve ..	1890-91 ..	17,299	17,659	..	17,659	79	
	Pasvimula reserve ..	1892-93 ..	10,158	10,158	4	10,154	39	
	Total, Special ..	..	61,964	69,734	107	69,627	385	
(General)—	Bollapalli reserve compartments 1 to 6.	1885-86 ..	18,542	18,584	..	18,584		
	Tadepalli reserve	..	..	1,155	..	1,155		
	Kondavid reserve ..	..	..	8,400	13	8,387	*Nil.*	
	Venkatayapalem reserve.	..	..	24,978	..	24,978		
	Pasvimula reserve ..	..	..	8,217	..	8,217		
	Kondapalli compartments 10, 13 and 14	..	2,800	..	..	..		
	Total, General ..	..	21,342	61,334	13	61,321	..	
	Total, Kistna (Special and General).	..	83,306	131,068	120	130,948	385	

* The blocks in the above Sub-division were shown in the previous year's return as being under special protection.

Area of Forest Tracts protected from Fire during 1900–1901—*cont.*

District.	Forest tracts.	Year in which protection commenced.	Area protected during the previous year.	During dry season of 1901.			Cost during the season.	Remarks.
				Area attempted to be protected.	Fires.	Actually protected.		
1	2	3		5	6	7	8	9
	Northern Circle—cont.		ACS.	ACS.	ACS.	ACS.	RS.	
Kurnool—(General)	North and South Bairluti blocks.	1887 ..	3,248	17,152	17,152	..	477	
	"A" block	1889 ..	7,700	7,576	5,576	2,000	386	
	South Chelama	1891 ..	7,681	8,138	8,138	..	404	
	South Chelama Addition ..	1894 ..	4,000	4,019	4,019	..	16	
	Gummakonda	1893 ..	240	7,680	2,000	5,680	168	
	Diguvametta	1891 ..	800	785	140	645	113	
	Zangambavi	1891 ..	80	113	..	113	46	
	Western Veligonda ..	1889 ..	17,780	17,780	..	17,780	115	
	Chelama Improvement felling block.	1895 ..	2,000	2,000	20	1,980	46	
	Fire tracing Railway line.	..	..	..	..	..	230	
	Total, Kurnool (General).	..	43,529	65,243	37,045	28,198	2,001+1	
Bellary—(Special)—Sandúr range.	Ramandrug	1883 ..	13,965	14,785	4,504	10,281	1,498	
	North-East range † ..	1883 ..	12,985	16,010	1,100	14,910		
	Donimalai †	1883 ..	2,205	9,205	..	9,205		
	Tornagal†	1898–99 ..	50	50	2	48	15	
Adóni range.	Kuppigal†	1892–93 ..	500	500	3	497	41	
	Tungabhadra †	1892–93 ..	84	84	2	82		
Bellary range.	Malapanagudi † ..	1886–87 ..	1,066	1,066	..	1,066	38	
Kudligi range.	Chiribi (Main) †	1899–1900.	4,380	4,380	..	4,380	47	
Harpanahalli range.	Hyrada coupes† ..	1899–1900.	2,316	2,616	..	2,616	30	
	Total, Bellary (Special) ..	..	37,551	48,696	5,611	43,085	1,669	
Anantapur—(Special).	Kojjapalli	1889 ..	342	342	..	342	46	
	Anantapur	1889 ..	129	129	..	129	20	
	Muchukota	1884 ..	7,000	7,000	..	7,000	190	
	Kottakota	1884 ..	10,873	11,016	964	10,052	458	
	Total, Special ..	..	18,344	18,487	964	17,523	714	
(General).	Durgam‡	1894 ..	3,640	3,640	..	3,640	39	
	Amagondapaliem	1884 ..	15,276	15,360	1,200	14,160	48	
	Gopidevarapalli	1891 ..	1,884	1,884	..	1,884	13	
	Nyalakota	1890 ..	12,106	12,156	3,640	8,516	42	
	Dokkalakonda	1898 ..	7,420	7,420	..	7,420	23	
	Guttur West	1887 ..	3,480	3,880	380	3,500	24	
	Kekathi	1898 ..	2,470	1,235	..	1,235	12	Only the area covered by plantations is protected.
	Total, General ..	..	46,276	45,575	5,220	40,355	201	
	Total, Anantapur(Special and General).	..	64,620	64,062	6,184	57,878	915	
	Total, Northern Circle (Special).	..	142,415	153,939	7,445	146,494	3,410	
	Total, Northern Circle (General).	..	384,768	457,508	45,885	411,623	5,133	
	Grand Total, Northern Circle.	..	527,183	611,447	53,330	558,117	8,543	
	Central Circle.							
Cuddapah (Special).	Lankamalai reserve ..	1883 ..	6,972	7,000	400	6,600	522	
	Kothakota Dasaripalli Reserve.	1883–85 ..	47,208	51,200	560	50,640	579	
		1889–91 ..						
	Yerrakonda Extension ..	1899 ..	30,400	32,000	580	31,420	108	
	Palkonda old reserve ..	1901 ..	..	25,300	5	25,295	432	
	Total, Special ..	..	84,580	115,500	1,545	113,955	1,641	
(General).	Kodur reserve ..	1874 ..	5,115	7,440	..	7,440	175	
	Settigunta do. ..	1871 ..	7,310	8,960	20	8,940	244	
	Thunukonda do. ..	1874 ..	1,048	1,048	..	1,048	53	
	Seshachellam do. ..	1867–73–90	153,471	176,200	5,462	170,738	1,502	
	Vattalur do. ..	1887 ..	2,880	2,880	..	2,880	70	
	Nigadi do. ..	1881 ..	14,000	14,000	3,640	10,360	116	
	Kondakomerla do. ..	..	3,700	3,700	..	3,700	18	
	Tummalamala do. ..	1890 ..	8,500	8,500	1,105	7,395	68	
	Kokkanty do. ..	1881 ..	2,000	2,000	..	2,000	18	

* Added as per Accountant-General's audited figures.
† These blocks were shown in the last year's return as being under general protection.
‡ This block was shown in the previous year as being under special protection.

Area of Forest Tracts protected from Fire during 1900–1901—*cont.*

District.	Forest tracts.	Year in which protection commenced.	Area protected during the previous year.	During dry season of 1901.			Cost during the season.	Remarks.
				Area attempted to be protected.	Fires.	Actually protected.		
1	2	3	4	5	6	7	8	9
	Central Circle—cont.		ACS.	ACS.	ACS.	ACS.	RS.	
Cuddapah—*cont.* (General)—*cont.*	Tsadukonda reserve ..	..	2,200	2,200	..	2,200	18	
	Modugamala do. ..	..	* 1,400	1,400	..	1,400	18	
	Horseykonda do. ..	..	9,630	9,630	..	9,630	121	
	Nurukuppalakonda reserve	..	3,600	3,600	..	3,600	63	
	Yellutla	..	3,500	3,500	..	3,500	19	
	Ankalammakonda reserve.	..	2,000	2,000	..	2,000	56	
	Gorantlapalli	..	4,000	4,000	..	4,000	24	
	Mamillapalli	1883–88 ..	5,000	..	..	..	..	Included in Palakonda reserve.
	Palkondas	1890 ..	1,000					
	Guvvalacheruvu	1883 ..	7,600	7,600	..	7,600	99	
	Rekkalukonda	1887 ..	1,200	1,200	..	1,200	18	
	Urakonda old reserve ..	1881 ..	* 2,000	2,000	..	2,000	18	
	Gadikota do. ..	1883 ..	12,480	12,480	90	12,390	154	
	Sibyala do. ..	1887 ..	3,500	3,500	..	3,500	49	
	Kanamalapalli	..	4,435	4,435	81	4,354	115	
	Tsundupalli reserve ..	..	3,000	3,000	..	3,000	28	
	Kondasunkesula reserve ..	1881 ..	858	858	..	858	15	
	Dhodyam reserve	..	1,345	1,345	..	1,345	15	
	Malamidi Kampila dinne.	..	1,366	1,366	..	1,366	15	
	Gandikota	..	372	372	..	372	15	
	Zamavaram	..	200	200	..	200	11	
	Kosinipalli	..	730	730	..	720	15	
	Bhanukotamala	..	750	750	..	750	15	
	Niduguvvi reserve ..	...	696	696	..	696	16	
	Upparapalli, Kodur, Riddipalli, Pullempet and Mittanudipalli plantations.	..	* 1,700	1,700	..	1,700	..	
	Total, General ..	..	* 272,586	293,290	10,398	282,892	3,181	
	Total, Cuddapah (Special and General).	..	357,166	408,790	11,943	396,847	† 4,822	
Nellore ‡ ..	Udayagiri-Veligonda in Udayagiri range.	1883 ..	60,000	60,000	..	60,000	517	
	Rapur-Veligonda in Rapur range.	1883 ..	30,720	30,720	888	29,832	316	
	Nandanavanam block and its extensions A and B and Vedullacheruvu or Kanigiri Veligonda.	1883 ..	25,000	26,780	..	26,780	226	
	Total, Nellore, General ..	..	115,720	117,500	888	116,612	1,059—§ 1	
Chingleput ..	Kambakkam R. F. ..	1883–84 ..	14,951	14,951	300	14,651	178	
	Nagalapuram	1883–84 ..	8,345	8,345	..	8,345	95	
	Maiyur plantation ..	1900–1901.	..	283	..	283	..	
	Karunguli tope	1900–1901.	..	16	..	16	..	
	Total, Chingleput, General.	..	23,296	23,595	300	23,295	273	
North Arcot. Special protection.	Irala	1888 ..	15,277	15,622	..	15,622	154	
	Irala extension ‖	1893 ..	2,650	2,650	..	2,650	88	
	Chittaparai	1888 ..	4,250	4,250	..	4,250	50	
	Mahimandalam	1888 ..	2,528	2,528	26	2,502	18	
	Cheelapalli	1884 ..	1,296	1,166	..	1,166	17	
Chittoor ..	Pachigunta	1888 ..	1,796	1,800	..	1,800	27	
	Paradarami	1880 ..	13,402	13,402	..	13,402	66	
	Veerasettipalli	1888 ..	7,287	4,633	..	4,633	36	
	Puthalapattu	1891 ..	2,442	3,077	..	3,077	28	
	Parappumalai	1899 ..	2,227	2,227	..	2,227	45	
	Tavanampalli	1899 ..	1,862	1,862	..	1,862	68	
	Kinatipalle ‖	1884 ..	1,417	1,417	..	1,417	14	
	Total, Chittoor ..	..	56,434	54,634	26	54,608	611	
Chendragiri.	Napier	1880 ..	8,380	8,380	..	8,380	216	
	Mamandur	1874 ..	1,776	1,776	..	1,776	46	
	Do. extension ..	1888 ..	7,999	8,000	..	8,000	147	
	Mungilpat	1896 ..	22,683	22,700	3	22,697	73	
	Panapakam	1880 ..	6,175	6,400	10	6,390	111	
	Chamala.	1880 ..	9,514	9,600	..	9,600	201	
	Nagapatla	1890 ..	8,200	8,265	56	8,209	62	
	Tirupati hill	1888 ..	14,834	16,000	120	15,880	163	

* Revised figure.

† Out of Rs. 4,822 shown in column 8, Rs. 655 were incurred in clearing fire lines and the balance in paying fire patrols.

‡ The discrepancy between the closing balance of the previous year's return and the opening balance of this year's has not been explained.

§ Deducted as per Accountant-General's audited figures.

‖ These blocks which were shown in the last year's return as being under general protection have been transferred to special protection during the year under report.

Area of Forest Tracts protected from Fire during 1900-1901—*cont.*

Districts.	Forest tracts.	Year in which protection commenced.	Area protected during the previous year.	During dry season of 1901.			Cost during the season.	Remarks.
				Area attempted to be protected.	Fires.	Actually protected.		
1	2	3	4	5	6	7	8	9
North Arcot—*cont.* Special protection—*cont.*	*Central Circle*—cont.		ACS.	ACS.	ACS.	ACS.	RS.	
Chendragiri—*cont.*	Tirupati extension ..	1891 ..	5,810	5,840	4	5,836	23	
	Panapakam extension ..	1892 ..	9,730	9,730	..	9,730	..	
	Pudipatlabbylu	1880 ..	2,540	4,295	..	4,295	..	
	Damalcherla	1892 ..	2,417	2,367	..	2,367	..	
	Sanambatla *	1892 ..	4,920	5,000	12	4,988	4	
	Total, Chendragiri ..	..	104,978	108,353	205	108,148	1,046	
Palmanér ..	Peddanaigdrug	1880 ..	14,419	14,419	453	13,966	82	
	Mordana	1884 ..	11,655	11,655	62	11,593	244	
	Charagal	1888 ..	18,285	18,285	100	18,185	134	
	Peddur	1880 ..	16,366	16,526	81	16,445	103	
	Naickaneri	1880 ..	6,540	6,840	40	6,800	89	
	Musilimadugu	1884 ..	4,592	5,543	628	6,915	79	
	Palmanér	1892 ..	6,252	6,451	2	6,449	45	
	Peddur extension * ..	1895 ..	9,550	10,605	..	10,605	28	
	Total, Palmanér ..	..	87,659	90,324	1,366	88,958	804	
Gudiyáttam.	Panamadangi	1887 ..	10,515	10,515	3	10,512	33	
	Naickaneri	1884 ..	4,954	5,154	700	4,454	52	
	Mordana	1884 ..	12,137	12,159	..	12,159	51	
	Ambur drug	1884 ..	10,079	10,139	..	10,139	67	
	Kampasamudram ..	1893 ..	1,415	1,414	..	1,414	..	
	Naickaneri extension ..	1887 ..	1,568	1,568	100	1,468	..	
	Mordana do. ..	1891 ..	9,094	9,094	750	8,344	20	
	Gundlapalli	1894 ..	7,329	7,354	..	7,354	40	
	Do. extension ..	1894 ..	903	928	..	928	4	
	Sayanagunta	1891 ..	6,400	6,400	..	6,400	61	
	Do. extension ..	1892 ..	4,395	4,395	..	4,395	..	
	Kallapadi	1894 ..	6,945	6,945	..	6,945	..	
	Kanjanur	1893 ..	1,543	1,549	..	1,549	..	
	Paradarami extension ..	1889 ..	1,888	1,888	..	1,888	..	
	Karapet	1892 ..	8,033	8,000	..	8,000	80	
	Total, Gudiyáttam ..	..	87,198	87,502	1,553	85,949	408	
Vellore ..	Arasampattu	1887 ..	17,195	17,890	250	17,640	204	
	Ambur fuel	1879 ..	5,453	5,453	..	5,453	45	
	Vellakal	1889 ..	5,037	5,037	..	5,037	75	
	Ambur block	1889 ..	27,738	27,878	..	27,878	159	
	Athiyur	1889 ..	4,740	4,800	..	4,800	42	
	Palamadi	1880 ..	7,836	8,160	1,904	6,256	179	
	Thellai (Vellore portion) ..	1891 ..	1,330	1,330	150	1,180	20	
	Karuthamalai	1882 ..	20,486	20,487	50	20,437	45	
	Kylasagiri	1892 ..	2,504	2,534	300	2,234	126	
	Kaniambadi	1892 ..	5,392	5,472	50	5,422	4	
	Nellimalai	1892 ..	2,797	2,797	..	2,797	..	
	Sanankuppam	1893 ..	13,828	13,843	245	13,598	32	
	Parnamalai	1892 ..	7,078	7,078	..	7,078	..	
	Vellore	1892 ..	2,298	2,413	500	1,913	..	
	Pallikonda	1892 ..	3,898	3,898	..	3,898	..	
	Appukal	1892 ..	790	800	..	800	..	
	Total, Vellore ..	..	128,400	129,870	3,449	126,421	931	
Pólúr ..	Karnatighur	1881 ..	7,270	7,270	600	6,670	134	
	Malayalam	1887 ..	28,465	28,614	56	28,558	147	
	Mulakad	1890 ..	15,524	15,744	86	15,658	165	
	Santavasal	1890 ..	9,610	9,671	91	9,580	34	
	Periyamalai	1892 ..	6,930	6,970	600	6,370	51	
	Paruvadamalai	1892 ..	5,779	5,779	10	5,769	50	
	Thellai (Pólúr portion) ..	1891 ..	14,862	14,862	..	14,862	30	
	Vellimalai	1893 ..	1,973	2,003	36	1,967	13	
	Kelur	1884 ..	2,989	2,989	..	2,989	8	
	Virappanur	1886 ..	31,469	31,469	..	31,469	83	
	Puttur *	1879 ..	18,458	18,458	..	18,458	25	
	Arasampetu	1887 ..	..	12,824	..	12,824	..	
	Total, Pólúr ..	..	143,329	156,653	1,479	155,174	740	

* This block was under general protection during the previous year.

Area of Forest Tracts protected from Fire during 1900–1901—*cont.*

District.	Forest tracts.	Year in which protection commenced.	Area protected during the previous year.	During dry season of 1901.			Cost during the season.	Remarks.
				Area attempted to be protected.	Fires.	Actually protected.		
1	2	3	4	5	6	7	8	9
			ACS.	ACS.	ACS.	ACS.	RS.	
North Arcot—*cont.* Special protection—*cont.*	*Central Circle*—cont.							
Arcot-Wallajah.	Banavaram	1880 ..	1,021	1,021	..	1,021	4	
	Punganur	1884 ..	12,908	13,498	970	12,528	130	
	Ammur	1884 ..	5,139	5,139	701	4,438	76	
	Total, Arcot-Wallajah ..	..	19,068	19,658	1,671	17,987	210	
	Total, Special, North Arcot.	..	* 627,066	646,994	9,749	637,245	4,750	
General—								
Chittoor ..	Santhapet	1882 ..	2,148	2,148	..	2,148	..	
	Basavapalli	1888 ..	1,784	1,784	..	1,784	..	
	Bommasamudram ..	1891 ..	1,172	1,172	..	1,172	..	
	Vadilatata	1891 ..	2,495	2,495	..	2,495	..	
	Chittoor	1882 ..	385	385	..	385	..	
	Bommasamudram extension.	1892 ..	1,312	1,312	..	1,312	..	
	Kinatipalli extension ..	1893 ..	995	1,020	..	1,020	..	
	Basavapalle do. ..	1894 ..	830	841	..	841	..	
	Reddigunta	1893 ..	2,479	1,441	..	1,441	..	
	Chase's hill	1893 ..	1,773	2,692	..	2,692	..	
	Penumur	1891 ..	1,082	1,082	..	1,082	..	
	Penamur extension ..	1893 ..	3,392	3,392	..	3,392	..	
	Santhapet do. ..	1893 ..	482	482	..	482	..	
	Total, Chittoor ..	..	* 20,329	20,246	..	20,246	..	
Chendragiri.	Chendragiri hill	1892 ..	968	983	..	983	..	
	Pakala extension	1894 ..	2,170	2,170	..	2,170	..	
	Napier do.	1900 ..	..	26	..	26	..	
	Penamur	1893 ..	..	1,015	..	1,015	..	
	Total, Chendragiri ..	..	* 3,138	4,194	..	4,194	..	
Palmanér ..	Basavareddipalli	1884 ..	5,952	5,952	..	5,952	..	
	Palmanér plantation ..	1884 ..	2	2	..	2	..	
	Nagamangalam	1884 ..	20	20	..	20	..	
	Muduguvaripalli	1884 ..	4	4	..	4	..	
	Venkatagirikota	1884 ..	9	9	..	9	..	
	Baireddipalli	1884 ..	4	4	..	4	..	
	Melmoyi	1884 ..	1,568	1,568	..	1,568	..	
	Jangalapalle	1884 ..	3,029	3,034	..	3,034	..	
	Pattikonda	1893 ..	5,190	5,190	..	5,190	..	
	Musalimadugu extension.	1895 ..	1,829	1,875	..	1,875	..	
	Basavareddipalli A ..	1895 ..	1,718	2,170	..	2,170	..	
	Do. B ..	1895 ..	5,758	5,792	..	5,792	..	
	Alapalli	1895 ..	2,029	2,029	..	2,029	..	
	Nellipatla	1895 ..	7,705	7,705	..	7,705	..	
	Veerlabunda	1895 ..	2,611	2,511	..	2,511	..	
	Thotakanama	1895 ..	5,498	5,497	..	5,497	..	
	Total, Palmanér ..	..	* 42,926	43,362	..	43,362	..	
Gudiyáttam.	Tiruvallam plantation ..	1884 ..	431	431	..	431	..	
	Virinjipuram do. ..	1884 ..	260	260	..	260	..	
	Cheynur	1884 ..	130	130	..	130	..	
	Ammundi	1884 ..	160	160	..	160	..	
	Tandavaroyagunta ..	1884 ..	3	3	..	3	..	
	Vikramasi	1884 ..	129	129	..	129	..	
	Pallalakuppam	1892 ..	6,822	6,822	90	6,732	..	
	Do. extension A.	1893 ..	7,162	5,883	..	5,883	..	
	Bommanayakan Palaiyam.	1894 ..	904	913	..	913	..	
	Total, Gudiyáttam ..	..	16,001	14,731	90	14,641	..	
Pólúr ..	Amerdi plantation ..	1884 ..	25	25	..	25	..	
	Patrakad	1881 ..	25,254	25,254	40	25,214	..	
	Thapatur	1884 ..	1,504	1,504	80	1,424	..	
	Alialamangalam	1884 ..	10,027	10,027	..	10,027	..	
	Santavasal extension ..	1892 ..	331	331	..	331	..	
	Total, Pólúr ..	..	* 37,141	37,141	120	37,021	..	

* The difference between the closing balance of the previous year's return and the opening balance of this year's is due to the transfer of certain blocks to specially protected areas.

Area of Forest Tracts protected from Fire during 1900-1901—*cont.*

District.	Forest tracts.	Year in which protection commenced.	Area protected during the previous year.	During dry season of 1900.			Cost during the season.	Remarks.
				Area attempted to be protected.	Fires.	Actually protected.		
1	2	3	4	5	6	7	8	9
North Arcot district—*cont.* Special protection—*cont.*			ACS.	ACS.	ACS.	ACS.	RS.	
	Central Circle—cont.							
Vellore ..	Ambur plantation ..	1884 ..	6	6	..	6	..	
	Total, Vellore ..	..	6	6	..	6	..	
Wandiwash.	Brahmanamateri	1884 ..	635	561	..	561	..	
	Kodiyalam	1884 ..	125	243	..	243	..	
	Badur	1884 ..	834	835	..	835	..	
	Vengunam	1884 ..	1,288	1,288	..	1,288	..	
	Nambedu	1884 ..	707	947	..	947	..	
	Vishamangalam	1884 ..	1,148	1,148	..	1,148	..	
	Ponnur	1884 ..	1,656	1,656	..	1,656	..	
	Nedungal	1884 ..	2,298	2,298	..	2,298	..	
	Nedungunam	1884 ..	1,697	1,697	..	1,697	..	
	Nambedu extensions A, B and C	1895 ..	327	397	..	397	..	
	Total, Wandiwash ..	..	10,715	11,070	..	11,070	..	
Arcot ..	Kilminnal plantation ..	1884 ..	150	150	..	150	..	
	Saunleri	1884 ..	1,675	1,675	..	1,675	..	
	Sathur	1884 ..	750	750	..	750	..	
	Tandappanthangal ..	1884 ..	1,099	1,100	..	1,100	..	
	Enadanadi	1884 ..	1,565	1,565	..	1,565	..	
	Solavaram	1884 ..	1,143	1,184	..	1,184	..	
	Do. extension ..	1895 ..	874	885	..	885	..	
	Tandappanthangal extension	1895 ..	310	310	..	310	..	
	Total, Arcot ..	..	7,566	7,619	..	7,619	..	
Wallajah ..	Vannivedu plantation ..	1884 ..	39	38	..	38	..	
	Arkonam tope	1884 ..	37	58	..	58	..	
	Gudulur	1884 ..	535	535	..	355	..	
	Ananthapuram	1880 ..	540	540	..	540	..	
	Ammanur	1880 ..	203	203	..	203	..	
	Kolattur	1884 ..	1,729	1,729	..	1,729	..	
	Arkonam Head Assistant Collector's compound ..	1884 ..	4	4	..	4	..	
	Total, Wallajah ..	..	3,087	3,107	..	3,107	..	
	Total, General ..	..	140,909	141,476	210	141,266	..	
	Total, North Arcot, Special and General	..	767,975	788,470	9,959	778,511	4,750	
South Arcot.	Annamalai	1878 ..	2,640	2,640	..	2,640	92	
	Kavuthimalai	1878 ..	6,835	7,085	8	7,077	81	
	Tenmalai	1877 ..	28,414	31,706	565	31,141		
	Nallapet	1889 ..	5,094	5,094	..	5,094		
Special protection.	Pelamarudur	1889 ..	5,075	5,075	..	5,075	187	
	Paramanandal	1895 ..	1,111	1,517	..	1,517		
Tiruvannámalai range.	Mudanai	1898 ..	7,017	7,046	..	7,046		
	Valasamalai	1883-84 ..	11,334	12,369	3	12,366	82	
	Nattampalli	1889 ..	7,248	7,270	..	7,270	76	
	Perunkolattur-Swamimalai	1883-84 ..	9,248	9,312	..	9,312	52	
	Chinnasamudram	1900 ..	2,826	2,842	..	2,842	8	
	Damarakadu	1900 ..	5,390	5,950	225	5,725	9	
Kallakurchi range.	Takarai reserved forest ..	1883-84 ..	14,330	14,338	..	14,338	188	
	Total, South Arcot, Special	..	106,562	112,244	801	111,443	775 +* 269	

* Amount expended during June 1900 but paid during the following month chiefly on account of the pay of the fire-patrols. It is however added as per Accountant-General's audited figures.

Area of Forest Tracts protected from Fire during 1900–1901—*cont.*

Range.	Forest tracts.	Year in which protection commenced.	Area protected during the previous year.	During dry season of 1900.			Cost during the season.	Remarks.
				Area attempted to be protected.	Fires.	Actually protected.		
1	2	3	4	5	6	7	8	9
	Central Circle—cont.		ACS.	ACS.	ACS.	ACS.	RS.	
Salem—*cont.*	Pannikaradu	1882 ..	2,645	2,645	..	2,645		Given approximately as the areas have not been separately surveyed.
	Kanjeri	1882 ..	1,929	1,929	..	1,929	291	
	Kurumbapatti coupes 1 to 25.	1897 ..	3,970	4,000	..	4,000		
	Kapputtu coupes 1 to 3 ..	1897 ..	985	1,000	..	1,000		
	Vadugampatti do. ..	1881 ..	1,976	1,976	2	1,974	125	
	Morur do. ..	1881 ..	799	799	..	799	69	
	Ammaneri do. ..	1882 ..	252	252	..	252	43	
	Pellapalli do. ..	1882 ..	981	981	..	981	52	
	Karunattuparai	1883 ..	837	837	..	837	48	
	Atur ghaut coupes 1 to 10.	1900 ..	..	504	..	504	42	
	Harur	1882 ..	1,176	1,028	..	1,028		
	Mallapuram	1882 ..	1,952	606	..	606		
	Kuriappukombai	1897 ..	450	181	..	181	186	
	Kouramalai coupes ..	1898 ..	609	609	..	609		
	Mukkanur	1901 ..	..	960	..	960		
	Alangayam	1891 ..	2,082	2,082	..	2,082	57	
	Narasingapuram	1893 ..	1,595	1,595	..	1,595	30	
	Kalarapatti	1895 ..	1,840	1,840	..	1,840	16	
	Vellakuttai	1896 ..	620	620	..	620	23	
	Punkulam coupes	1895–96 ..	700	1,000	..	1,000	28	
	Andiappanur	1894 ..	1,500	1,700	..	1,700	22	
	Mambakkam	1894 ..	600	1,000	..	1,000	39	
	Govindapuram	1895 ..	1,755	1,955	..	1,955	55	
	Madakadappa	1896 ..	313	313	..	313	21	
	Singarapet coupe block ..	1881 ..	2,911	3,491	100	3,391	75	
	Kottur (Elagiri) ..	1885 ..	1,200	1,200	..	1,200	24	
	Onnakarai	1897 ..	1,500	1,800	..	1,800	7	
	Kallavi	..	450	450	..	450	20	
	Burgur block	1892 ..	2,000	2,000	..	2,000	8	
	Kottur do.	1883 ..	2,350	2,350	..	2,350	64	
	Neralkottai	1893 ..	1,227	1,227	..	1,227	48	
	Maharajagadai	1896 ..	1,275	1,275	..	1,275	36	
	Thogarapalli	1884 ..	750	750	..	750	32	
	Javalagiri	1885 ..	5,401	5,461	30	5,431	63	
	Kanavoikottapalli ..	1885 ..	342	742	..	742	28	
	Gulhatti	1885 ..	3,248	3,248	..	3,248	15	
	Munichi	1885 ..	3,155	3,305	50	3,255	43	
	Kanavunaga samudram.	1885 ..	16	416	..	416	15	
	Jowlagiri do.	1900 ..	..	5,160	532	4,628	47	
	Noganur (coupe)	1901 ..	..	252	..	252	18	
	Total, Salem ..	..	55,391	63,539	714	62,825	1,690	
*Trichinopoly, Musiri Range.	Sengattupatti	1885–86 ..	2,925	3,000	..	3,000		These blocks were in former years protected by fire lines and patrols. Since 1893–94 no money has been spent on fire lines as the Conservator and District Forest-officer were of opinion that they were unnecessary.
	Manmalai	1887–88 ..	5,900	6,000	404	5,596		
	T. Kanapadi	1887–88 ..	11,800	12,000	..	12,000		
	Karuppan Kadu Thittu ..	1887–88 ..	2,000	2,000	..	2,000		
	Melur	1885–86 ..	3,000	3,000	..	3,000		
	V. Kanappadi	1887–88 ..	9,910	10,000	..	10,000		
	Palamalai	1888–89 ..	10,000	10,000	..	10,000		
	Kaliammankoil Thittu ..	1889–90 ..	1,500	1,500	..	1,500		
	Kanappadi Kannimarsolai.	1889–90 ..	2,560	2,560	..	2,560	RS. (a) 231	
Perambalúr Range.	Manalodai	1885–86 ..	5,000	5,000	..	5,000		
	Sholamathi	1885–86 ..	6,000	6,000	..	6,000		
	Selaiyur	1889–90 ..	1,600	1,600	..	1,600		
	Puliyur	1890–91 ..	10,000	10,000	4	9,996		
	Sengathur	1890–91 ..	10,000	10,000	..	10,000		
	Valaiyur	1900–1901 ..	..	1,655	..	1,655		
	Arasadi Arinittu ..	1900–1901 ..	..	2,000	..	2,000		
	Pulambadi No. I	1900–1901 ..	..	2,884	..	2,884		
	Total, Trichinopoly, General ..	..	82,195	89,199	408	88,791	231	
Tanjore ..	Tanjore	..	*Nil.*	..	..	..	..	
	Total, Special, Central Circle.	..	818,208	874,738	12,095	862,643	7,435	
	Total, General, Central Circle.	...	690,097	728,599	12,918	715,681	6,433	
	Grand Total, Central Circle.	..	1,508,305	1,603,337	25,013	1,578,324	13,868	

* In the absence of particulars the areas are treated as having been under general protection.

(*a*) This sum represents the amount paid to the Malayalees on the Pachamalais with whom agreements were entered into for keeping the lines clear and preserving the forests from fire.

Area of Forest Tracts protected from Fire during 1900–1901—*cont.*

District.	Forest tracts.	Year in which protection commenced.	Area protected during the previous year.	During dry season of 1901.			Cost during the season.	Remarks.
				Area attempted to be protected.	Fires.	Actually protected.		
1	2	3	4	5	6	7	8	9
	Southern Circle.		ACS.	ACS.	ACS.	ACS.	RS.	
South Canara Special—*cont.* Coondapoor Range.	Sarapanamane	1886–87 ..	1,238	1,238	1	1,237	40	
	Savantagadde	1896–97 ..						
	Kadike	1895–96 ..	2,662	2,662	46	2,616	32	
	Chittur	1895–96 ..	2,218	2,218	15	2,203	25	
	Karnigudde	1895–96 ..	1,190	1,190	..	1,190	32	
	Herur	1893–94 ..	2,427	2,427	73	2,354	34	
	Talaburane	1895–96 ..	545	545	..	545	28	
	Honnukodlu	1894–95 ..	507	507	..	507	30	
	Total, Coondapoor Range.	..	10,787	10,787	135	10,652	221	
Udipi Range.	Chinkramale	1885–86 ..	979	979	10	969	37	
	Jatkatmale	1897–98 ..	1,100	1,100	2	1,098	25	
	Tenkahola	1886–87 ..	1,779	1,779	..	1,779	28	
	Mavinakodlu	1895–96 ..	1,600	1,600	2	1,598	31	
	Huvakladi	1895–96 ..	3,640	3,640	4	3,636	26	
	Portion of Someshwar ..	1899–1900.						
	Durgamale	1897–98 ..	1,070	1,070	1	1,069	27	
	Total, Udipi Range ..	..	10,168	10,168	19	10,149	174	
Uppinangadi Range.	Darmastala	1887–88 ..	2,625	2,625	..	2,625	38	
Puttur Range.	Parappa	1895–96 ..	2,310	2,310	..	2,310	71	
	Pumale	1897–98 ..	7,280	7,280	..	7,280	127	
	Kanakamajal	1899–1900.	2,252	2,252	..	2,252	41	
	Jalsur block (felled area).	1900–1901.	..	5,120	..	5,120	104	
	Total, Puttur Range ..	..	11,842	16,962	..	16,962	343	
Mangalore Range.	Hospet	1889–90 ..	267	267	2	265	27	
	Todar	1889–90 ..	366	366	30	336	25	
	Munjimale	1894–95 ..	2,495	2,495	120	2,375	30	
	Total, Mangalore Range.	..	3,128	3,128	152	2,976	82	
	Total, Special ..	..	38,550	43,670	306	43,364	858	
South Canara General—Coondapoor Range.	Herkur	1893–94 ..	780	780	..	780	18	
	Datlegudde	1893–94 ..	141	141	..	141	8	
	Kasanakatte	1893–94 ..	178	178	..	178	17	
	Mudaragudde	1893–94 ..	407	407	..	407	15	
	Baindur	1897–98 ..	5,859	5,859	86	5,773	12	
	Abbigudde	1897–98 ..	1,434	1,434	..	1,434	35	
	Sabladi	1884–85 ..	208	208	..	208	6	
	Total, Coondapoor Range.	..	9,007	9,007	86	8,921	111	
Udipi Range.	Pilarkan	1883–84 ..	..	300	..	300	..	
	Manaje	1886–87 ..	423	423	..	423	11	
	Jaravattu	1894–95 ..	357	357	1	356	6	
	Mensinkan	1896–97 ..	635	635	25	610	6	
	Matkalgudde	1897–98 ..	259	259	..	259	4	
	Hale Someshwar	1895–96 ..	1,294	1,294	..	1,294	10	
	Total, Udipi Range ..	..	2,968	3,268	26	3,242	37	
Mangalore Range.	Chembugudde	1884–85 ..	75	75	..	75	..	
	Kutwar	1884–85 ..	25	25	..	25	..	
	Poitaje and Kayerpalla ..	1885–86 ..	90	90	..	90	..	
	Nannije	1897–98 ..	1,229	1,229	60	1,169	10	
	Total, Mangalore Range.	..	1,419	1,419	60	1,359	10	
Puttur Range	Veerakamba	1897–98 ..	1,283	1,283	..	1,283	35	
	Kaianjimale	1898–99 ..	7,230	7,230	..	7,230	44	
	Total, Puttur Range ..	..	8,513	8,513	..	8,513	79	
	Total, General ..	..	21,907	22,207	172	22,035	237	
	Total, Special and General, South Canara.	..	60,457	65,877	478	65,399	1,095 + 52 *	

* Added as per Accountant-General's audited figures.

Area of Forest Tracts protected from Fire during 1900-1901—*cont.*

District.	Forest tracts.	Year in which protection commenced.	Area protected during the previous year.	During dry season of 1901.			Cost during the season.	Remarks.
				Area attempted to be protected.	Fires.	Actually protected.		
1	2	3	4		6	7	8	9
			ACS.	ACS.	ACS.	ACS.	RS.	
North Malabar. Special—	*Southern Circle*—cont.							
	Begur	1882-83 ..	4,098	2,500	..	2,500	435	
	Kurchiyat	1887-88 ..	5,995	6,025	..	6,025	* 325	* Includes the cost of 11,929 acres of the reserve partially protected.
	Kanoth plantations ..	1894-95 ..	264	264	..	264	50	
General—	Total, Special ..	..	10,357	8,789	..	8,789	810	
Begur ..	Begur	1882-83 ..	..	12,866	90	12,776	190	
	Tirunelli (*a*)	1894-95 ..	4,674	† 5,473	..	5,473	21	† The chola growth protected by burning grass hills.
	Total, Begur ..	..	4,674	18,339	90	18,249	211	
Chedaleth.	Kurchiyat	1887-88 ..	..	12,029	100	11,929		
	Mavanhulla (*a*)	1894-95 ..	12,500	12,576	..	12,576	111	
	Rampur (*a*)	1894-95 ..	19,000	18,854	..	18,854		
	Total, Chedaleth ..	..	31,500	43,459	100	43,359	111	
Kanoth ..	Peria	1894-95 ..	64,000	6,470	..	6,400	..	
	Total, General ..	..	42,574	68,198	190	68,008	322	
	Total (Special and General) North Malabar.	..	52,931	76,987	190	76,797	1,132	
South Malabar Special—								
Nilambur Range.	Amarampalem reserve ..	1860-61 ..	468	468	..	468	78	
	Chathamborai do. ..	1872-73 ..	700	700	..	700	161	
	Teak plantations	1842-43 ..	3,517	3,517	..	3,517	704	‡ No cost was incurred for protecting this as the work to be done was little and the services of the plantation fire patrols were utilized.
	Edakode natural forests ..	1898-99 ..	50	200	..	‡ 200		
	Arimbra cuttu mala ..	1899-1900.	260	300	..	300	51	
	Total, Nilambur ..	..	4,995	5,185	..	5,185	994	
Amarampalam Range.	Karimpaya reserve ..	1884-85 ..	4,065	§ 4,240	..	4,240	244	§ Includes 365 acres of teak plantations.
	Nellikutta do. ..	1883-84 ..	1,824	1,824	..	1,824	132	
	New Amarampalam reserve	1889-90 ..	75,000	75,000	..	75,000	198	
	Total, Amarampalam ..	..	80,889	81,064	..	81,064	574	
Palghat Range.	Walayar reserve ..	1873-74 ..	3,017	3,017	..	3,017	499	
	Chenat Nair do. ..	1884-85 ..	15,188	15,203	..	15,203	420	
	Tamparalli pottai ..	1891-92 ..	..	124	..	124	15	
	Dhoni reserve	1898-99 ..	45	45	..	45	12	
	Pulliampalli tope reserved forest	1900-1901.	..	20	..	20	5	
	Total, Palghat Range ..	..	18,250	18,409	..	18,409	951	
	Total, Special, South Malabar.	..	104,134	1,04,658	..	104,658	2,519	
*The Nilgiris Special—	Mudumalai teak plantation.	1883 ..	25	25	..	25	762	
	Benne teak plantation ..	1886 ..	40	40	..	40		
	Benne experimental block.	1893 ..	179	179	..	179		
	Tuckles of 1896 and 1899.	1899 ..	10	25	..	25		
	Marigudi block	1888 ..	2,781	2,781	..	2,781		
	Marigudi block Nos. IV and V.	1898 ..	2,686	2,686	..	2,686		
	Megar reserved forest east.	1886 ..	4,000	4,000	2,848	1,152	337	
	Northern hay Sandalwood plantation.	1883 ..	22	22	..	22		
	Sandalwood tracts in Sigur reserved forest.	1899 ..	1,240	1,240	..	1,240		

(*a*) The discrepancy between the closing balance of the previous year's return and the opening balance of this year's has not been explained.

* The discrepancy between the closing balance of the previous year's return and the opening balance of this year's return in regard to area under special protection has not been explain ed.

Area of Forest Tracts protected from Fire during 1900–1901—*cont.*

District.	Forest tracts.	Year in which protection commenced.	Area protected during the previous year.	During dry season of 1900.			Cost during the season.	Remarks.
				Area attempted to be protected.	Fires.	Actually protected.		
1	2	3	4	5	6	7	8	9
The Nilgiris—*cont.*	*Southern Circle*—cont.		ACS.	ACS.	ACS.	ACS.	RS.	
Special—*cont.*	Chemmanguli	1883 ..	25	25	..	25	243	
	Arvakal	1883 ..	9	9	..	9		
	Governor's shola No. I ..	1883 ..	25	25	..	25		
	Do. No. II ..	1883 ..	30	30	..	30		
	Andi	1883 ..	17	17	..	17		
	Upatti	1883 ..	12	12	..	12		
	Sheffield	1883 ..	25	25	..	25		
	Culli	1883 ..	17	17	..	17		
	Chowghat Culli	1883 ..	26	26	..	26		
	Madana	1883 ..	8	8	..	8		
	Baikie	..	50	50	..	50		
	Arambi	..	430	430	..	430		
	Marlimund	..	11	11	..	11		
	Cairn hill	..	405	405	..	405		
	Muthanad	1898 ..	80	80	..	80		
	Kallar reserve	1883 ..	919	919	..	919	406	
	Burliyar	1883 ..	178	178	..	178		
	Ghaut reserve	1883 ..	247	247	..	247		
	Coonoor peak	1883 ..	259	259	..	259		
	Bandishola	1883 ..	111	111	..	111		
	Sim's park block No. I ..	1883 ..	48	48	..	48		
	Blackbridge	1883 ..	40	40	..	40		
	Little Rallia	1883 ..	10	10	..	10		
	Newman	1883 ..	35	35	..	35		
	Rallia	1883 ..	60	60	..	60		
	Long wood and addition ..	1885 ..	350	350	..	350		
	Kunjapanai sandalwood area.	1898 ..	640	640	..	640		
	Bleak house	1899 ..	57	57	..	57		
	Spring field	1899 ..	30	30	..	30		
	Sim's park No. II. ..	1899 ..	36	36	..	36		
	Total, Special ..	..	15,173	15,188	2,848	12,340	1,748	
General—	Ulnad	1883 ..	839	839	..	839	253	
	Mukurti	1888 ..	1,324	1,324	..	1,324		
	Kurumund	1883 ..	1,552	1,552	..	1,552		
	Kundah	1885 ..	42,505	42,505	..	42,505		
	Pichelbettu	1886 ..	1,668	1,668	..	1,668		
	Kadkupa	1886 ..	1,622	1,622	..	1,622		
	Nanjanad	1893 ..	914	914	..	914		
	Karpakan	1886 ..	391	391	..	391		
	Vellingiri	1886 ..	643	643	..	643		
	Pykara	1893 ..	844	844	..	844		
	Yemmaikal	1886 ..	465	465	..	465		
	Hiriashige	1887 ..	3,026	3,026	..	3,026		
	Thiashola	1885 ..	1,551	1,551	..	1,551		
	Muthanad	1883 ..	340	340	..	340		
	Bikkapatti	1894 ..	1,945	1,945	..	1,945		
	Naduvattam	1885 ..	3,411	3,411	..	3,411		
	Ouchterlony	1886 ..	973	973	..	973		
	Nilgiri Peak	..	5,962	5,962	..	5,962		
	Chinnacoonoor	1894 ..	14	14	..	14		
	Kengal	..	14	14	..	14		
	Kadanad	1895 ..	40	40	..	40		
	Huppatti	..	491	491	..	491		
	Kaguchi	..	475	475	..	475		
	Idubatti	..	15	15	..	15		
	Butheri shola	1884 ..	34	34	..	34		
	Dodabetta	..	758	758	..	758		
	Jakuntha	..	373	373	..	373		
	Honnathalai	..	320	320	..	320		
	Keraiyada	..	276	276	..	276		
	Kengodu	..	451	451	..	451		
	Brookland	..	177	177	..	177		
	Lovedale east	..	127	127	..	127		
	Benhope reserve	1885 ..	75	75	..	75		
	Black bridge	1883 ..	350	350	..	350		
	Devashola north and south.	1883 ..	211	211	..	211		
	Total, General ..	..	74,176	74,176	..	74,176	253	
	Total, Nilgiris Special and General.	..	89,349	89,364	2,848	86,516	2,001 +* 1	

* Added as per Accountant-General's auditee figures.

Area of Forest Tracts protected from Fire during 1900-1901—*cont.*

District.	Forest tracts.	Year in which protection commenced.	Area protected during the previous year.	During dry season of 1901.			Cost during the season.	Remarks.
				Area attempted to be protected.	Fires.	Actually protected.		
1	2	3	4	5	6	7	8	9
	Southern Circle—cont.		ACS.	ACS.	ACS.	ACS.	RS.	
Coimbatore (North)—Special.	Hassanur sandalwood compartment—Satyamangalam Range.	1895-96 ..	2,096	2,096	..	2,096	99	
	Bylur sandalwood compartment — Kollegal Range.	1895-96 ..	1,726	1,726	..	1,726	216	
	Odiarpalayam sandalwood compartment—Kollegal Range.	1895-96 ..	1,500	1,500	..	1,500	112	
	Jadathadihulla sandalwood compartment — Kollegal Range.	1895-96 ..	176	176	..	176	66	
	Badagalli sandalwood compartment — Talamalai Range.	1896-97 ..	666	666	22	644	45	
	Talamalai sandalwood compartment — Talamalai Range.	1897-98 ..	582	582	..	582	39	
	Total, Coimbatore (North) Special.	..	6,746	6,746	22	6,724	577	
Coimbatore (South)—Special.								
Tunacadavu and Pollachi.	Tekadi leased forests and portion of Tunacadavu reserve No. I.	1882-83 ..	16,094	26,374	260	26,114	841	
Pollachi ..	Punachi reserve No. II ..	1888-89 ..	2,845	2,880	..	2,880	367	
Udamalpet ..	Dhali block ..	1883-84 ..	485	485	..	485	54	
Mettupalayam.	Singaratope Working Circle of Odanthorai block.	1891-92 ..	777	777	..	777	104	
Bolampatti	Sholakarai.	1883-84.	1,157	1,157	400	757	697	
	Thenkaradu. In Bolampatti block I.		393	393	100	293		
	Keerapatti. In Bolampatti block I.		2,260	2,260	100	2,160		
	Oratti .. In Bolampatti block I.		1,136	1,136	..	1,136		
	Kuchimalai. In Bolampatti block I.		1,532	1,545	..	1,545		
	Noyel .. In Bolampatti block II.		10,920	10,920	..	10,920		
	Velliyangiri. In Bolampatti block II.		5,173	5,240	23	5,217		
	Varadimudi. In Bolampatti block II.		7,960	7,960	..	7,960		
	Kanavarai .. In block III and portions of blocks II and IV.		13,880	13,880	15	13,865		
	Total, Special ..	..	64,612	75,007	898	74,109	2,063	
General.								
Tunacadavu and Pollachi.	Tunacadavu reserve No. I	..	254,513	256,544	670	255,874	..	
Pollachi ..	Punachi reserve No. II.	..						
Udamalpet ..	Amravati ,, ,, III.	..						
Tunacadavu, Pollachi and Udamalpet.	Anamalai ,, ,, IV.	..						
Bollampatti.	Bolampatti reserve No. I.	..	74,638	74,791	78	74,713	..	
	Do. ,, ,, II.	..						
	Do. ,, ,, III.	..						
Bolampatti and Méttupálayam.	Tadagam ,, ,, IV.	..						
Méttupálaiyam.	Gopanari ,, ,, V.	..						
	Kempampalayam reserve No. VI.	..						
	Nellithorai reserve No. VII.	..						
Bolampatti..	Small Sholakarai reserve No. X.	..						
	Sankararayapuram ..	..						

Area of Forest Tracts protected from Fire during 1900-1901—*cont.*

District.	Forest tracts.	Year in which protection commenced.	Area protected during the previous year.	During dry season of 1901.			Cost during the season.	Remarks.
				Area attempted to be protected.	Fires.	Actually protected.		
1	2	3	4	5	6	7	8	9
Coimbatore (South)—*cont.*	*Southern Circle*—cont.		ACS.	ACS.	ACS.	ACS.	RS.	
General Protection—*cont.*								
Méttupálaiyam.	Odanthorai reserve No. VIII.	..	5,335	5,335	..	5,335	..	
	Modur reserve No. IX ..	..	5,805	5,805	..	5,805	..	
	Nellimalai	..	1,882	1,882	..	1,882		
Udámalpet ..	Elayamuthur reserve ..	..	762	762	..	762	..	
	Dhali reserve	..	145	145	..	145	..	
	Total, General ..	..	343,080	345,264	738	344,526	..	
	Total, South Coimbatore, Special and General.	..	407,692	420,271	1,630	418,635	2,063	
Madura—	Gundan shola plantation(*a*)	1886-87 ..	242	257	..	257	93	
	Poombarai Vilpatti Valley.	1884-85 ..	17,594	17,594	120	17,474	65	
	Aliyanuthu	1888-89 ..	4,352	4,352	..	4,352	50	
	Kudarayar	1886-87 ..	13,235	13,235	..	13,235	115	
	Kookal	1886-87 ..	11,725	11,725	..	11,725	20	
	Amburuni	1886-87 ..	13,971	13,971	27	13,944	277	
	Shengalvarayar	1885-86 ..	7,098	7,098	..	7,098	61	
	Karungal Dhoni Medu ..	1885-86 ..	3,469	3,469	..	3,469	3	
	Pambar (*a*)	1883-84 ..	4,741	4,741	41	4,700	111	
	Adukam (*a*)	1885-86 ..	7,520	7,520	..	7,520	25	
	Perumal Malai (*a*) ..	1886-87 ..	2,032	2,032	..	2,032	4	
Special ..	Alagar Hill (*a*)	1882-83 ..	16,838	16,838		16,838	476	
	Mela Gudalur	1885-86 ..	..		..	..	..	
	Vannathiparai	1884-85 ..	24,157	..	..	..	..	
	Kallar	1885-86 ..	..	..	..	..	..	
	Arunkaval	1883-84 ..	..		..	..	..	
	Vannilai	1885-86 ..	..	..	..	..	..	
	Kaniankadu	1885-86 ..	..	..	..	..	..	
	Marudanadiyar	1885-86 ..	..	..	..	..	..	
	Wahuthumalai	1884-85 ..	..	..	..	..	..	
	Sirumalai	1885-86 ..	..	..	..	..	..	
	Karandamalai	1887-88 ..	..	..	..	..	..	
	Perumalai	1891-92 ..	..	..	..	..	..	
	Mudimalai	1884-85 ..	..	..	..	..	..	
General ..	Thoppaswami Malai ..	..	..	..	..	..	..	
	Gallnut block, Machoor ..	..	..	..	..	..	..	
	Vannathiparai	..	..	..	..	..	..	
	Total, Madura, Special and General.	..	126,974	102,832	188	102,644	1,297 + * 108	
Tinnevelly—								
Special.	Padarmalai Working Circle.	1895-96 ..	270	810	..	810	18	
Ambásamudram.	Panniamaduku Working Circle.	1896-97 ..	278	278	..	278	12	
	Koilterai Working Circle.	1896-97 ..	385	505	..	505	10	
	Sivasailam Working Circle	1896-97 ..	344	344	..	344	9	
	Total, Ambásamudram ..	..	1,277	1,937	..	1,937	49	
Nangunéri ..	Kalakad Working Circle ..	1896-97 ..	795	969	..	969	48	
	Tirukurungudi Working Circle.	1897-98 ..	87	208	..	208	35	
	Total, Nangunéri ..	..	882	1,177	..	1,177	83	
Tenkási ..	Courtallam Working Circle.	1896-97 ..	496	604	..	604	..	
	Kadayanallur Working Circle.	1897-98 ..	154	230	203	27	13	
	Total, Tenkási ..	..	650	834	203	631	13	
Sankaranayinárkóyil.	Karuppasamikovil Working Circle.	1897-98 ..	623	937	..	937	..	

(*a*) The discrepancy between the closing balance of the previous year's return and the opening balance of this year's return has not been explained.

* Includes amount spent in putting out fires. Added as per Accountant-General's audited figures.

Area of Forest Tracts protected from Fire during 1900-1901—*cont.*

District.	Forest tracts.	Year in which protection commenced.	Area protected during the previous year.	During dry season of 1901.			Cost during the season.	Remarks.
				Area attempted to be protected.	Fires.	Actually protected.		
1	2	3	4	5	6	7	8	9
Tinnevelly—Special—*cont.*	*Southern Circle*—cont.		ACS.	ACS.	ACS.	ACS.	RS.	
Srívilliputtúr	Rangarkovil Working Circle.	1896-97 ..	533	648	..	648	..	
	Aiyanarkovil Working Circle.	1896-97 ..	1,134	1,349	191	1,158	13	
	Valaikulam Working Circle.	1896-97 ..	299	359	..	359	..	
	Muthaliarutha rest-house and forest guards line of huts.	1897-98 ..	320	320	..	320	26	
	Total, Srívilliputtúr ..	..	2,286	2,676	191	2,485	39	
	Total, Special ..	..	5,718	7,561	394	7,167	184	
General—								
Ambásamudram.	Ghaut forests II and II-(*b*)	..	84,774	86,533	202	88,518	77	
	Do. II-(*a*)	..		2,187				
Nangunéri ..	Do. I and I-(*a*).	..	52,054	52,624	710	51,914	196	
Tenkási ..	Ghaut forests III, III-(*a*) (*b*), (c_1), (c_2), (*d*), extension Nos. 1 and 3, Courtattam reserve No. III. Extension to Kirshnapuram reserve and Chinnakadu.	..	21,945	27,816	905	26,911	160	
Sankaranayinárkóyil.	Ghaut forests IV and IV(*a*)	..	21,024	27,093	70	27,023	70	
Srívilliputtúr.	Do. V and V-(*a*).	..	40,344	41,428	1,085	40,343	343	
Srivaikuntam.	Kudirimoliteri reserve ..	..	..	13,326	1	13,325	..	
	Total, General ..	..	220,141	251,007	2,973	248,034	846	
	Total Tinnevelly, Special and General.	..	225,859	258,568	3,367	255,201	1,030 * — 79	
	Total, Southern Circle ..	..	..	..	..	..	..	
	Special	..	372,264	364,451	4,656	359,795	10,217	
	General	..	701,878	760,852	4,073	756,779	1,578	
	Grand Total, Southern Circle.	..	1,074,142	1,125,303	8,729	1,116,574*	11,795	
	Total, Presidency—							
	Special	..	1,332,887	1,393,128	24,196	1,368,932	21,062	
	General	..	1,776,743	1,946,959	62,876	1,884,083	13,144	
	Grand Total, Presidency.	..	3,109,630	3,340,087	87,072	3,253,015	34,206	

* Deducted as per Accountant-General's audited figures.

ANNUAL FORM No. 52.

Forest Department, Madras Presidency.

AREA closed and open to grazing during 1900–1901.

District.	Area in square miles.						
	Closed to all animals.		Closed to both goats and sheep.		Area closed to goats only.	Open to all animals.	Total forest area as per Form No. 44.
	Whole year.	Part of year.	Whole year.	Part of year.		Whole year.	
1	2	3	4	5	6	7	8
Northern Circle.							SQ. MLS.
Ganjâm	91	..	..	..	540	..	501 39
Vizagapatam	1	..	224 120	..	..	..	224 120
Gódâvari	3	..	..	..	948 1	3 ..	951 1
Kistna	182 13	..	..	..	744 96	95 133	839 229
Kurnool	102	..	..	..	2,188 393	44 146	2,232 539
Bellary	32	..	..	..	421	210	545 86
Anantapur	29	8	29	8	..	471 2	508 2
Total, Northern Circle ..	458	8	373	8	5,331	1,104	6,816
Central Circle.							
Cuddapah	13	..	..	..	2,368	(*a*) 69	2,129 308
Nellore	145	..	..	..	663 68	35 ..	698 68
Chingleput	41	..	..	..	179	35	213 1
North Arcot	150 1	84 ..	..	..	1,195 38	1 ..	1,196 38
South Arcot	16	(*b*) ..	..	..	705	..	693 12
Salem	63	27	..	..	1,499	82	1,323 258
Trichinopoly	11	29	..	..	264 52	..	264 52
Tanjore	2	..	..	..	18	(*e*) ..	18
Total, Central Circle ..	442	140	..	..	7,049	222	7,271
Southern Circle.							
South Canara	15 1	..	..	..	647 443	..	647 443
Malabar, North	52	..	..	..	52	149 46	201 46
Do. South	217	..	217	..	..	54	223 48
The Nilgiris	6 12	6 ..	..	..	397 101	..	397 101
Coimbatore, North	80	(*c*) 70	14	..	1,636	(*d*)	1,108 542
Do. South	20	..	..	..	657 1	..	657 1
Madura	58	..	..	..	564	47	598 13
Tinnevelly	281	55	..	..	420 5	4 ..	424 5
Total, Southern Circle ..	742	131	231	..	4,923	300	5,454
Grand Total, Presidency ..	1,637	279	604	8	17,303	1,626	19,541
1899–1900	1,396	570	696	..	17,669	1,284	19,649

N.B.—The totals of columns 4, 6 and 7 equal column 8. The figures in columns 6 and 4 include the figures in columns 2 and 3. Of the figures in brackets, the upper one denotes area of reserved forests and the lower one the area of reserved lands.

(*a*) Reserved for goats. (*b*) Less than one square mile. (*c*) For one month on account of fire.
(*d*) Ten square miles were opened to goat-browsing during part of the year.
(*e*) Goats were allowed in 356 acres in Vettangudi reserved forest.

FORM No. 53.

RETURN of Grazing in the State of Forests of the Madras Presidency during 1900–01.

FORM

RETURN of Grazing in the State Forests of the

(a) *Reserved forests notified under*

Districts.	Grazing on payment. Number of animals. At enhanced rates. Buffaloes.	Cows and bullocks.	Goats and sheep.	Other animals.	Fees received.	At full rates. Buffaloes.	Cows and bullocks.	Goats and sheep.	Other animals.	Fees received.
Northern Circle.					RS.					RS.
Ganjám	..	..	..	..	..	6,986	29,342	398	..	8,159
Vizagapatam	(*a*) 76	(*a*) 2,399	..	..	638	994	12,671	..	..	2,748
Gódávari	(*b*) 256	247	1,616	..	588	696	4,029	(*c*) 1,325	..	1,480
Kistna	(*e*) 1,711	(*e*) 7,083	..	..	2,626	21,406	49,687	(*c*) 168,525 82,620	486	40,979
	(*f*) 737	(*f*) 22,234	(*f and g*) 8,208	..	10,493	..	..	..	..	..
	(*h*) 402	(*h*) 217	..	..	310	..	..	..	..	..
	(*i*) 1,671	(*i*) 17,143	..	..	9,825	..	..	..	..	..
	..	(*j*) 665	..	..	665	..	..	..	..	..
	..	(*k*) 102	..	..	51	..	..	..	..	..
Kurnool .. .. .. (*l*)	693	43,366	1,218	..	11,340	7,077	59,161	173,636	..	30,025
Bellary	..	..	..	..	..	11,915	42,067	264,692	..	37,130
Anantapur	..	..	..	..	..	2,412	41,541	77,376	2	15,948
Total, Northern Circle ..	5,546	93,456	11,042	..	36,536	51,486	238,498	768,572	488	1,36,469
Central Circle.										
Cuddapah .. .. .. (*m*)	..	..	..	..	..	2,453	92,515	(*c*) 108,298 17,190	..	(*n*) 30,045
Nellore	..	..	..	..	..	13,000	67,893	241,929	..	40,285 (*o*) 206 (*p*) 315
Chingleput	..	..	..	..	..	2,030	24,600	64,893	..	11,457
North Arcot	..	..	..	..	..	1,869	92,210	62,666	..	(*q*) 23,866
South Arcot .. .. (*r*)	8	19,670	(*c*) 874	..	5,031	3,161	94,152	(*c*) 101,667	..	28,370
Salem	..	..	..	..	..	3,089	210,545	69,552	..	(*t*) 53,685
Trichinopoly	..	..	..	..	..	393	15,918	(*c*) 54,773 14,779	..	9,690
Tanjore	..	..	..	..	..	436	2,885	(*c*) 4,019 695	*44	(*u*) 1,163
Total, Central Circle ..	8	19,670	874	..	5,031	26,431	600,718	740,461	44	1,99,082
Southern Circle.										
South Canara	..	..	..	..	..	1,528	10,782	..	..	2,595
North Malabar	..	..	..	..	..	2,992	7,586	..	..	(*v*) 2,540
South Malabar	..	..	..	..	..	31	26	..	..	(*w*) 8
The Nilgiris	..	..	..	..	..	9,037	18,701	523	465	(*x*) 7,558
North Coimbatore	5,563	125,128	24,479	..	(*z*) 37,969	159	4,211	..	..	890
South Coimbatore	..	..	..	..	..	542	35,006	8,024	19	7,523
Madura .. .. .. (*z*$_1$)	434	42,898	30,371	201	14,428	..	..	..	..	..
Tinnevelly	..	..	834 (goats)	..	104	388	13,436	23,833	..	4,899
Total, Southern Circle ..	5,997	168,026	55,684	201	52,501	14,677	89,698	32,380	484	26,013
Grand Total, Reserved Forests, Presidency	11,551	281,152	67,600	201	94,068	92,594	928,914	1,541,413	1,016	3,61,564

N.B.—Full rates are the ordinary sanctioned

(*a*) Enhanced rates at As. 8 per buffaloe and As. 4 per cow or bullock were collected. (*b*) The enhanced rates are As. 12 per s, 2 per goat, while the privilege rates are As. 4 per buffaloe, As. 2 per bull or cow and As. 1–6 per goat. (*c*) Sheep. eep or goat. (*f*) Double rate at As. 12 per buffaloe, As. 6 per bull and cow, sheep and goat at As. 3.

(*i*) Special rates in special tracts, viz., As. 12 per buffaloe, As. 8 per cow or bullock. (*j*) Special rates of Re. 1 per plough bullock. ıd As. 8 per buffaloe, cow and sheep, respectively, but quarterly permits at ¼ rates are being issued. Details for reserved forest and reserved ıd reserved lands. (*m*) The distribution of reserved forests and lands was not made in the issue of licenses for grazing.

(*p*) Grazing (miscellaneous) fees. (*q*) Includes certain excess collection. (*r*) The enhanced rates of As. 8 per or grazing in more than one reserve in the Tindivanam range. (*s*) The number represents the cattle admitted free in the

(*t*) The fees calculated at full rates amount to only Rs. 47,156 and not Rs. 53,685. (*u*) Includes fees collected for 85

(*v*) Includes Rs. 5 paid for grazing. (*w*) This is exclusive of Rs. 57 realized

(*x*) Includes also (1) collections from graziers of foreign bulls, cows, horses and asses at the rate of As. 8 each and (2) amount of

(*y*) Daily rate for the cattle of the Mysore nomadic tribes at As. 3 per 100 per day. (*z*) Enhanced rates:—As. 8 per buffaloe,

(*z*$_1$) The enhanced rates charged were As, 8, 4, 2 per buffaloe, cows and sheep respectively. Fees at the rate of As. 1–4 *i.e.*, two-thirds of

* Horses.

NOTE.—Details for reserved forests and reserved lands have

No. 53.

Madras Presidency during 1900–1901.

section 16 *of the Forest Act.*

At privileged rates.						Grazing free. Number of animals.											Grand total of value at full and enhanced rates.
				Fees received.		By right under settlement.					During pleasure of Government or otherwise than under settlement.						
Buffaloes.	Cows and bullocks.	Goats and sheep.	Other animals.	Actual.	Value at full rates.	Buffaloes.	Cows and bullocks.	Goats and sheep.	Other animals.	Value of fees at full rates.	Buffaloes.	Cows and bullocks.	Goats and sheep.	Other animals.	Value of fees at full rates.	Total value of fees at full rates for animals grazed free.	
				RS.	RS.					RS.					RS.	RS.	RS.
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	8,159
..	..	..	..	..	..	..	200	..	..	38	..	290	..	..	73	111	3,497
16,980	50,468	6,684	..	(*d*)8,780	22,436	..	..	..	..	..	546	7,756	..	..	2,212	2,212	26,716
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	64,949
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	2,485	5,505	..	981	..	.	..	..	..	981	42,346
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	37,170
..	..	6,757	..	422	633	..	..	..	..	..	..	..	..	..	..	..	16,581
16,980	50,468	13,441	..	9,202	23,069	..	2,685	5,505	..	1,019	546	8,046	..	..	2,285	3,304	1,99,418
..	98	(*e*) 203	..	25	37	..	1,900	..	..	356	..	..	..	..	..	356	30,438
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	40,806
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	11,457
..	..	..	..	..	..	..	..	..	..	..	1,695	7,908	2,528	..	2,355	2,355	26,221
..	..	..	..	..	..	..	..	..	..	..	(*s*)1,505	5,016	(*e*) 336	..	1,536	1,536	34,937
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	53,685
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	9,690
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1,163
..	98	203	..	25	37	..	1,900	..	..	356	3,200	12,924	2,864	..	3,891	4,247	2,08,397
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2,595
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2,540
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	8
..	(*g*)1,390	..	..	55	695	..	..	..	..	..	..	..	..	..	..	..	8,253
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	38,859
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	7,523
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	14,428
..	..	..	..	..	..	..	..	..	..	..	60	432	..	..	104	104	5,107
..	1,390	..	..	55	695	..	..	..	..	..	60	432	..	..	104	104	79,313
16,980	51,956	13,644	..	9,282	23,801	..	4,585	5,505	..	1,375	3,806	21,402	2,864	..	6,280	7,655	4,87,128

maxima, viz., As. 6 per buffaloe, &c.

buffaloe, As. 6 per bull or cow and As. 3 per goat. The full rates are As. 8 per buffaloe, As. 4 per bull or cow, As. 1–6 per sheep and

(*d*) Includes Rs. 493, fees from grazing leases. (*e*) Enhanced rates at As 8 per buffaloe, As. 4 per bull or cow and As. 2 per

(*g*) Of these, 7,630 were sheep. (*h*) Enhanced rate at As. 8 per buffaloe and As. 8 per cow or bullock.

(*k*) Special rate of As. 8 per plough bullock. (*l*) Enhanced rates for grazing tracts inside "Sim, Line" are Rs. 2, Re. 1

lands cannot be shown separately as grazing permits are being issued according to working circles which contain both reserved forests

(*n*) The fees calculated at full rates amounts to only Rs. 30,031. (*o*) Fees collected for 13,156 grass head-loads.

buffaloe and As. 4 per cow were levied on foreign cattle. It includes 149 cows and 874 sheep at As. 4 and As. 2 respectively, allowed

Tenmalai block in the Tiruvannamalai range for the Malayalis on the hills.

sheep at the rate of As. 3 per head for permitting them to be penned within the reserves.

by the sale of grass.

Rs. 60 obtained by leasing a portion of the Ouchterlony reserve for one year.

As. 4 per cow or bullock and As. 2 per sheep. The amount includes also compensation fees, excess collection, &c.

the usual rate of As. 2 imposed on 8,635 heads of goats were collected only during the period subsequent to the first four months in the year

not been shown separately by Collectors in many districts.

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FORM

Return of Grazing in the State Reserved lands of the

(b) *Reserved*

Districts.	Grazing on payment. Number of animals.									
	At enhanced rates.					At full rates.				
	Buffaloes.	Cows and bullocks.	Goats and sheep.	Other animals.	Fees received.	Buffaloes.	Cows and bullocks.	Goats and sheep.	Other animals.	Fees received.
Northern Circle.					RS.					RS.
Ganjám	..	..	..	..	..	738	2,330	..	..	714
Gódávari	..	..	..	..	..	..	..	..	..	..
Bellary (*b*)	228	2,106	9,306	..	1,353	..	..	..	..	..
Anantapur	..	..	..	..	..	64	378	2,588	..	338
Total, Northern Circle ..	228	2,106	9,306	..	1,353	802	2,708	2,588	..	1,052
Central Circle.										
Nellore	..	..	..	..	..	1,161 (*c*) 374	4,496 (*c*) 575	6,197 (*c*) 1,832	..	1,859 (*g*) 713
Chingleput	..	..	..	..	..	*Nil.*	*Nil.*	..	..	..
North Arcot	..	..	..	..	..	80	1,523	78	..	323
South do.	..	..	..	..	..	37	519	(*d*) 735	..	180
Trichinopoly	..	..	..	..	..	166	6,841	32,676	..	4,408
Total, Central Circle ..	..	..	..	..	..	1,818	13,954	41,518	..	7,483
Southern Circle.										
South Canara	..	..	..	..	..	1,207	7,040	..	..	1,773
The Nilgiris	..	..	..	..	..	..	70	..	..	35
South Coimbatore (*f*) ..	..	..	..	..	..	..	..	..	..	..
Madura (*f*)	..	..	..	..	..	..	..	..	..	..
Tinnevelly	..	..	..	..	..	40	853	1,182	..	286
Total, Southern Circle ..	..	..	..	..	..	1,247	7,963	1,182	..	2,094
Grand Total, Presidency ..	228	2,106	9,306	..	1,353	3,867	24,625	45,288	..	10,629

(*a*) Includes Rs. 182, grazing fees collected. The privileged rates are As. 4 per buffaloe and As. 2 per bull or cow.
(*b*) Includes leased forests. (*c*) Unreserved lands. (*d*) Sheep.
(*e*) Toda cattles allowed free grazing on Todaputta land. (*f*) *Nil.* (*g*) Includes kancha rent of Rs. 293.

No. 53—*cont.*

Madras Presidency during 1900–1901—*cont.*

lands.

Grazing free. Number of animals.																	Grand total of value at full and enhanced rates.
At privileged rates.						By right under settlement.					During pleasure of Government or otherwise than under settlement						
Buffaloes.	Cows and bullocks.	Goats and sheep.	Other animals.	Fees received. Actual.	Fees received. Value at full rates.	Buffaloes.	Cows and bullocks.	Goats and sheep.	Other animals.	Value of fees at full rates.	Buffaloes.	Cows and bullocks.	Goats and sheep.	Other animals.	Value of fees at full rates.	Total value of fees at full rates for animals grazed free.	
				RS.	RS.					RS.					RS.	RS.	RS.
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	714
3,664	11,365	..	..	(a)2,149	4,673	..	..	..	..	..	..	..	..	..	..	..	4,673
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1,353
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	338
3,664	11,365	..	..	2,149	4,673	..	..	..	..	..	..	..	..	..	..	..	7,078
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2,279
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	323
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	180
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	4,408
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	7,190
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1,773
..	..	..	..	..	..	(e)378	..	..	..	142	..	..	..	..	..	..	177
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	286
..	..	..	..	..	..	378	..	..	..	142	..	..	..	..	..	..	2,236
3,664	11,365	..	..	2,149	4,673	378	..	..	..	142	..	..	..	..	..	..	16,504

ANNUAL FORM NO. 54.

Forest Department, Madras Presidency.

AREA of Plantations, Cultural Operations and Topes, 1900-1901.

District.		Number of plantations and topes.	Area in acres. On 1st July 1900.	Area in acres. Added during the year.	Area in acres. Excluded during the year.	Area in acres. Area on 30th June 1901.	Receipts. Of the year.	Charges. Of the year.
1		2	3	4	5	6	7	8
			A. Regular Plantations.				RS.	RS.
Northern Circle.	Ganjám	1	348	..	..	348	60	182
	Gódávari	3	252	106	..	(a) 358	911	4,718
	Kistna	(b) 18	(b) 2,031	14	17	2,028	583	1,970
	Total, Northern Circle ..	22	2,631	120	17	2,734	1,554	6,870
Central Circle.	Cuddapah	..	2,100	..	..	2,100	139	470
	Nellore	11	3,455	353	393	3,415	21,773	22,248 *—11,380
	Chingleput	1	69	33	..	102	1,119 *	310
	North Arcot	(b) 7	1,169	6	..	1,175	5,679	2,061 *—1,565
	South Arcot	12	8,230	..	(h) 3,059	5,171	11,417	2,840
	Tanjore	4	539	..	..	539	1,988	639
	Total, Central Circle ..	35	15,562	392	3,452	12,502	42,120	15,623
Southern Circle.	South Canara	3	95	..	14	81	475	(c) 206
	North Malabar (d)	..	536	70	281	325	..	1,052 * +729
	South Malabar	(b) 21	4,800	125	..	4,925	20,169	9,675
	The Nilgiris	22	1,645	..	..	1,645	15,812	8,600 *—5,736
	South Coimbatore	8	30	..	..	30	..	..
	Madura	5	274	..	..	274	..	907
	Tinnevelly	2	26	..	26	..	..	..
	Total, Southern Circle ..	61	7,406	195	321	7,280	36,456	15,433
	Grand Total, Regular Plantations, Presidency.	118	25,599	707	3,790	22,516	80,130	37,926
			B. Cultural Operations.					
Northern Circle.	Ganjám	..	404	..	102	302	13	133 * +84
	Kistna	..	35	..	..	35	3	429
	Kurnool	..	..	..	..	..	..	121 * +1
	Bellary	..	76	87	..	163	..	1,698 * +10
	Anantapur	..	35	366	345	56	..	413 * +1
	Total, Northern Circle ..	..	550	453	447	556	16	2,890
Central Circle.	Cuddapah	..	596	..	..	596	16	212 * +260
	Nellore	..	(e) 628	197	353	472	..	..
	Chingleput (f)	..	..	3	..	3	..	16
	North Arcot	..	1,116	..	216	900	..	400
	South Arcot	..	..	6	..	6	..	..
	Trichinopoly	..	24 MLS. 91	..	..	24 MLS. 91	1,118	..
	Tanjore	..	1,131	30	..	1,161	605	13
	Total, Central Circle ..	..	3,495 MLS. 91	236	569	3,162 MLS. 91	1,739	901

* Added or deducted as per Accountant-General's audited figures.

(a) Incorrectly entered by Collector as 348. (b) Revised figure reported by Collector.

(c) Includes establishment and other miscellaneous charges.

(d) The area shown in column 3 is said to be wrong, while that shown in column 6 is reported to have been arrived at by measuring the several plantations; a certain area was excluded as having failed.

(e) The difference between the closing balance of the previous year and the opening balance of the year under report is due to the area under cultural operation having been ascertained during the year.

(f) In column 6 of Form No. 54 of the previous year's statement, the area of cultural operations is entered as 175 acres. In the opening balance of the year's return the opening balance is entered as *nil* without a word of explanation.

(g) Includes cost of establishment.

(h) This represents an area of 5 acres of Akshikadu plantation, 2,485 acres in Puliavaram reserved forest, 27 acres of Malathur and 542 acres of Agaram plantation.

Area of Plantations, Cultural Operations, and Topes, 1900–1901—*cont.*

District.		Number of plantations and topes.	Area in acres. On 1st July 1900.	Added during the year.	Excluded during the year.	Area on 30th June 1901	Receipts. Of the year.	Charges. Of the year.
1		2	3	4	5	6	7	8
			B. Cultural Operations—cont.					
							Rs.	Rs.
Southern Circle.	The Nilgiris	..	484	4	..	488	..	972
	North Coimbatore	..	37	..	..	37	..	..
	Tinnevelly	..	3,438	2,871	702	5,607	..	(*g*) 242 * — 11
	Total, Southern Circle	..	3,959	2,875	702	6,132	..	1,203
	Grand Total, Cultural Operations, Presidency.	..	8,004 MLS. 91	3,564	1,718	9,850 MLS. 91	1,755	4,904
			C. Topes.					
Northern Circle.	Ganjām	7	101	..	..	101	16	..
	Vizagapatam	2	78	..	..	78	184	62 * + 455
	Gódávari	..	..	..	..	..	..	..
	Kistna	14	136	..	..	136	18	188
	Kurnool	30	206	..	..	206	..	58
	Bellary	30	212	..	..	212	..	62
	Anantapur	905	2,885	..	..	2,885	..	..
	Total, Northern Circle	988	3,618	..	..	3,618	218	825
Central Circle.	Cuddapah	(*e*) 24	(*e*) 558	(*d*) 162	26	694	360	138
	Nellore	112	1,776	..	..	1,776	..	..
	Chingleput	17	230	..	..	230	177	(*b*) 415
	North Arcot	Not stated.	1,295	(*e*) 172	(*f*) 498	969	273	644
	South Arcot	62	459	..	26	433	35	31 * — 1
	Salem	126	1,598	..	..	1,598	..	125
	Trichinopoly	19	573	..	..	573	933	188 * + 777
	Tanjore	..	..	..	..	..	..	..
	Total, Central Circle	360	6,489	334	550	6,273	1,778	2,317
Southern Circle.	North Malabar	..	56	..	..	56	780	77
	South do.	1	20	..	..	20	..	..
	North Coimbatore	3	209	..	..	209	..	190 * + 29
	South do.	1	267	..	(*g*) 200	67	..	..
	Tinnevelly	9	84	..	..	84	10	86
	Total, Southern Circle	14	636	..	200	436	790	382
	Grand Total, Topes, Presidency	1,362	10,743	334	750	10,327	2,786	3,524
	Northern Circle, Plantations, Cultural operations and Topes	1,010	6,739	573	464	6,908	1,788	16,585 (*a*) + 360
	Central Circle, Plantations, Cultural operations and Topes	395	25,546 91 MLS.	962	4,571	21,937 91 MLS.	45,637	18,841
	Southern Circle, Plantations, Cultural operations and Topes	75	12,001	3,070	1,223	13,848	37,246	17,018
	Grand Total, Presidency	1,480	44,346 91 MLS.	4,605	6,258	42,693 MLS. 91	84,671	46,804

* Added or deducted as per Accountant-General's audited figures.

(*a*) Expenditure incurred under A VIII-E under "Direction" for which expenditure details are not available.

(*b*) Pay of gardeners.

(*c*) Revised figures.

(*d*) The area of the topes have been altered with reference to the Board's sanction for reserving them under sections 4 and 16.

(*e*) By transfer from cultural operations, rectification of area and by notification under section 16 during the year.

(*f*) Transferred to Revenue Department.

(*g*) Transferred to the Land Revenue Department to be dealt with under the darkhast rules under Board's Proceedings, Forest Mis. No. 634, dated 31st October 1900.

FORM No. 55.

Forest Department, Madras Presidency.

OUTTURN (in cubic feet, solid) of Timber and Fuel during the year 1900–1901, and Agency of Exploitation.

District.	Timber.					Fuel.					Total.	Bamboos.				
	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Outturn.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
NORTHERN CIRCLE.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	NO.	NO.	NO.	NO.	NO.
Ganjám.																
Reserved forests—																
Sal	1,778	..	..	..	1,778	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous	8,973	68,571	..	..	77,544	..	..	..	..	..	..	..	..	..	..	..
Total ..	10,751	68,571	..	..	79,322	490	561,713	..	..	562,203	641,525	..	1,713,910	12,850	..	1,726,760
Reserved lands—																
Sal	..	1,069	..	..	1,069	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous	..	3,641	..	..	3,641	..	..	..	..	..	..	..	..	..	..	..
Total ..	..	4,710	..	..	4,710	..	15,601	..	..	15,601	20,311	..	143,995	..	..	143,995
Unreserved lands—																
Sal	7,264	15,550	..	..	22,814	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous	103,283	106,777	..	..	210,060	..	..	..	..	..	..	..	..	..	..	..
Total ..	110,547	122,327	..	..	232,874	..	79,193	..	..	79,193	312,067	..	46,845	..	..	46,845
Grand Total ..	121,298	195,608	..	..	316,906	490	656,507	..	..	656,997	973,903	..	1,904,750	12,850	..	1,917,600
Vizagapatam.																
Reserved forests—																
Miscellaneous	417	23,964	670	..	25,051	21,657	67,595	..	..	89,252	114,303	..	428,636	3,500	..	432,136
Reserved lands—																
Miscellaneous	73	25,298	16	..	25,387	..	191,404	..	..	191,404	216,791	1,025	485,555	160	.	486,740
Unreserved lands—																
Miscellaneous	1,307	6,180	..	..	7,487	..	73,547	..	..	73,547	81,034	..	1,220	600	..	1,820
Grand Total ..	1,797	55,442	686	..	57,925	21,657	332,546	..	..	354,203	412,128	1,025	915,411	4,260	..	920,696

Outturn (in cubic feet, solid) of Timber and Fuel during the year 1900–1901, and Agency of Exploitation—*cont.*

District.	Timber.					Fuel.					Total.	Bamboos.				
	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Outturn.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
NORTHERN CIRCLE.—*cont.*	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	NO.	NO.	NO.	NO.	NO.
Gódávari.																
Reserved forests—																
Ironwood	1,829	7,774	60	..	9,663	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous	3,840	59,621	1,592	..	65,053	..	..	..	..	..	..	..	..	..	..	..
Total ..	5,669	67,395	1,652	..	74,716	5,940	204,894	788	..	211,622	286,338	..	2,765,087	4,500	..	2,769,587
Unreserved lands—																
Teak	..	113,539	..	..	113,539	..	..	..	..	..	..	..	..	..	..	..
Ironwood	..	70	560	..	630	..	..	..	..	..	..	..	..	..	..	..
Rosewood	..	15	..	..	15	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous	30	273,067	4,150	..	277,247	..	..	..	..	..	..	..	..	..	..	..
Total ..	30	386,691	4,710	..	391,431	..	208,992	..	..	208,992	600,423	..	3,944,833	750	..	3,945,583
Grand Total ..	5,699	454,086	6,362	..	466,147	5,940	413,886	788	..	420,614	886,761	..	6,709,920	5,250	..	6,715,170
Kistna.																
Reserved forests—																
Miscellaneous	2,580	63,851	140	..	66,571	23,550	424,863	..	..	448,413	514,984	..	137,880	..	..	137,880
Reserved lands—																
Miscellaneous	..	1,796	..	..	1,796	..	1,076	..	..	1,076	2,872	..	..	..	..	..
Unreserved lands—																
Miscellaneous	1,679	233,621	510	..	235,810	..	57,772	..	..	57,772	293,582	..	..	..	..	..
Grand Total ..	4,259	299,268	650	..	304,177	23,550	483,711	..	..	507,261	811,438	..	137,880	..	..	137,880
Kurnool.																
Reserved forests—																
Teak	808	..	..	..	808	..	..	..	..	..	..	..	..	..	..	..
Vengai	3,370	..	..	..	3,370	..	..	..	..	..	..	..	..	..	..	..
Terminalia tomentosa ..	3,853	..	..	..	3,853	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous	6,249	169,506	2,580	1,311	179,646	..	..	..	..	..	..	..	..	..	..	..
Total ..	14,280	169,506	2,580	1,311	187,677	511,957	230,410	..	257,510	999,877	1,187,554	5,527	3,823,684	15,875	20,489	3,865,575

Outturn (in cubic feet, solid) of Timber and Fuel during the year 1900-1901, and Agency of Exploitation—*cont.*

District.	Timber.					Fuel.					Total.	Bamboos.				
	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Outturn.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
NORTHERN CIRCLE—*cont.*	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	NO.	NO.	NO.	NO.	NO.
Kurnool—cont.																
Reserved lands—																
Miscellaneous	..	22,075	720	..	22,795	..	148,274	..	..	148,274	171,069	..	41,041	4,500	..	45,541
Unreserved lands—																
Miscellaneous	..	18,765	..	..	18,765	..	57,518	..	..	57,518	76,283	..	..	..	..	..
Grand Total ..	14,280	210,346	3,300	1,311	229,237	511,957	436,202	..	257,510	1,205,669	1,434,906	5,527	3,864,725	20,375	20,489	3,911,116
Bellary.																
Reserved forests—																
Redwood	..	260	..	..	260	..	..	..	..	..	..	..	..	..	..	..
Terminalia tomentosa ..	..	420	..	..	420	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous	..	6,926	2,768	..	9,694	..	..	..	..	..	..	..	..	..	..	..
Total ..	..	7,606	2,768	..	10,374	4,420	168,210	..	..	172,630	183,004	..	2,100	280	..	2,380
Reserved lands—																
Teak	5,009	..	..	..	5,009	..	..	..	..	..	..	..	..	..	..	..
Sandalwood	1,775	..	..	..	1,775	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous	45,318	5,638	..	..	50,956	..	..	..	..	..	..	..	..	..	..	..
Total ..	52,102	5,638	..	..	57,740	152,288	39,464	..	..	191,752	249,492	1,080	80,382	..	..	81,462
Unreserved lands—																
Miscellaneous	..	150,782	308	..	151,090	8,640	88,520	..	..	97,160	248,250	..	..	..	..	..
Grand Total ..	52,102	164,026	3,076	..	219,204	165,348	296,194	..	..	461,542	680,746	1,080	82,482	280	..	83,842
Anantapur.																
Reserved forests—																
Miscellaneous	..	18,550	3,838	..	22,388	..	73,025	..	..	73,025	95,413	..	..	..	..	..
Reserved lands—																
Miscellaneous	..	40	..	..	40	..	..	..	..	..	40	..	..	..	..	..
Unreserved lands—																
Miscellaneous	..	10,892	..	..	10,892	..	84,440	..	..	84,440	95,332	..	..	..	..	..
Grand Total ..	..	29,482	3,838	..	33,320	..	157,465	..	..	157,465	190,785	..	9,205	..	..	9,205

Outturn (in cubic feet, solid) of Timber and Fuel during the year 1900–1901, and Agency of Exploitation—*cont.*

District.	Timber.					Fuel.					Total.	Bamboos.				
	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Outturn.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
CENTRAL CIRCLE.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	NO.	NO.	NO.	NO.	NO.
Cuddapah.																
Reserved forests—																
Redwood	1,728	20	22	..	1,770	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous	..	90,547	10,560	..	101,107	..	..	..	..	..	..	..	..	..	..	..
Total ..	1,728	90,567	10,582	..	102,877	20,404	365,528	..	..	385,932	488,809	..	1,357,380	50,800	..	1,408,180
Unreserved lands—																
Miscellaneous	..	95,528	..	..	95,528	20	154,608	..	..	154,628	250,156	..	1,950	..	..	1,950
Grand Total ..	1,728	186,095	10,582	..	198,405	20,424	520,136	..	..	540,560	738,965	..	1,359,330	50,800	..	1,410,130
Nellore.																
Reserved forests—																
Miscellaneous	420	19,330	..	..	19,750	306,386	39,900	..	..	346,286	366,036	..	3,176	..	..	3,176
Unreserved lands—																
Miscellaneous	..	44,152	..	..	44,152	..	10,016	..	..	10,016	54,168	..	..	..	..	..
Grand Total ..	420	63,482	..	..	63,902	306,386	49,916	..	..	356,302	420,204	..	3,176	..	..	3,176
Chingleput.																
Reserved forests—																
Miscellaneous	..	1,896	..	..	1,896	1,995	137,614	..	..	139,609	141,505	..	10,644	..	..	10,644
Reserved lands—																
Miscellaneous	..	..	..	..	..	..	113	..	..	113	113	..	..	..	..	..
Unreserved lands—																
Miscellaneous	..	49,532	520	..	50,052	36,174	42,675	..	..	78,849	128,901	..	2,098	..	..	2,098
Grand Total ..	..	51,428	520	..	51,948	38,169	180,402	..	..	218,571	270,519	..	12,742	..	..	12,742
North Arcot.																
Reserved forests—																
Miscellaneous	5,670	18,071	20,129	..	43,870	15,434	301,080	343,100	..	659,614	703,484	2,453	4,763,479	84,325	..	4,850,257
Unreserved lands—																
Miscellaneous	..	1,961	1,995	..	3,956	..	26,227	..	..	26,227	30,183	..	..	..	..	..
Grand Total ..	5,670	20,032	22,124	..	47,826	15,434	327,307	343,100	..	685,841	733,667	2,453	4,763,479	84,325	..	4,850,257

Outturn (in cubic feet, solid) of Timber and Fuel during the year 1900–1901, and Agency of Exploitation—*cont.*

District.	Timber.					Fuel.					Total.	Bamboos.				
	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Outturn.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
CENTRAL CIRCLE—*cont.*	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	NO.	NO.	NO.	NO.	NO.
South Arcot.																
Reserved forests—																
Sandalwood	4	..	..	..	4	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous	4	6,297	..	..	6,301	..	..	..	..	..	..	..	..	..	..	..
Total ..	8	6,297	..	..	6,305	9,179	299,644	800	..	309,623	315,928	135	166,850	..	..	166,985
Reserved lands—																
Miscellaneous	..	..	..	..	..	20	3,084	..	..	3,104	3,104	..	..	..	..	..
Unreserved lands—																
Miscellaneous	..	2,015	720	..	2,735	1,017	282,714	..	..	283,731	286,466	..	402	..	..	402
Grand Total ..	8	8,312	720	..	9,040	10,216	585,442	800	..	596,458	605,498	135	167,252	..	..	167,387
Salem.																
Reserved forests—																
Miscellaneous	1,154	10,267	620	..	12,041	910,787	129,826	..	..	1,040,613	1,052,654	2,887	5,935,440	3,400	..	5,941,727
Unreserved lands—																
Sandalwood	161	..	..	..	161	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous	867	285,816	1,170	..	287,853	..	..	..	..	..	..	..	..	..	..	..
Total ..	1,028	285,816	1,170	..	288,014	534,087	297,213	..	..	831,300	1,119,314	254	20,400	1,294	..	21,948
Grand Total ..	2,182	296,083	1,790	..	300,055	1,444,874	427,039	..	..	1,871,913	2,171,968	3,141	5,955,840	4,694	..	5,963,675
Trichinopoly.																
Reserved forests—																
Miscellaneous	7,857	16,734	..	..	24,591	75,981	189,073	..	..	265,054	289,645	..	359,999	..	..	359,999
Reserved lands—																
Miscellaneous	..	605	..	..	605	..	1,748	..	..	1,748	2,353	..	2,940	..	..	2,940
Unreserved lands—																
Miscellaneous	..	3,924	2,940	..	6,864	..	1,067,900	..	..	1,067,900	1,074,764	..	46,572	125		46,697
Grand Total ..	7,857	21,263	2,940	..	32,060	75,981	1,258,721	..	..	1,334,702	1,366,762	..	409,511	125	..	409,636

Outturn (in cubic feet, solid) of Timber and Fuel during the year 1900–1901, and Agency of Exploitation—*cont.*

District.	Timber.					Fuel.					Total.	Bamboos.				
	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Outturn.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
CENTRAL CIRCLE—*cont.*	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C FT.	C. FT.	NO.	NO.	NO.	NO.	NO.
Tanjore.																
Reserved forests—																
Miscellaneous	..	7,799	..	..	7,799	..	83,082	..	..	83,082	90,881	..	..	..	..	..
Unreserved lands—																
Miscellaneous	..	4	..	..	4	..	447,710	..	..	447,710	447,714	..	2,365	..	..	2,365
Grand Total ..	..	7,803	..	..	7,803	..	530,792	..	..	530,792	538,595	..	2,365	..	..	2,365
SOUTHERN CIRCLE.																
South Canara.																
Reserved forests—																
Rosewood	33	178	..	..	211	..	..	..	..	..	..	..	..	..	..	..
Ironwood	1,149	637	..	..	1,786	..	..	..	..	..	..	..	..	..	..	..
Hopea	..	280	..	..	280	..	..	..	..	..	..	..	..	..	..	..
Terminalia tomentosa	5,426	1,096	..	..	6,522	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous	506	4,340	..	..	4,846	..	..	..	..	..	..	..	..	..	..	..
Total ..	7,114	6,531	..	..	13,645	34,141	195,252	..	..	229,393	243,038	211	82,725	..	..	82,936
Reserved lands—																
Ironwood	40,377	..	..	..	40,377	..	..	..	..	..	..	..	..	..	..	..
Hopea	15,876	..	..	..	15,876	..	..	..	..	..	..	..	..	..	..	..
Terminalia tomentosa	5,953	102	..	..	6,055	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous	..	127	..	..	127	..	..	..	..	..	..	..	..	..	..	..
Total ..	62,206	229	..	..	62,435	22,132	554	..	..	22,686	85,121	200	14,725	..	..	14,925
Unreserved lands—																
Teak	..	357	..	..	357	..	..	..	..	..	..	..	..	..	..	..
Ironwood	..	25	..	..	25	..	..	..	..	..	..	..	..	..	..	..
Hopea	..	204	..	..	204	..	..	..	..	..	..	..	..	..	..	..
Terminalia tomentosa	..	840	..	..	840	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous	1,909	4,241	..	..	6,150	..	..	..	..	..	..	..	..	..	..	..
Total ..	1,909	5,667	..	..	7,576	2,004	437,069	..	..	439,073	446,649	..	7,053	..	..	7,053
Grand Total ..	71,229	12,427	..	..	83,656	58,277	632,875	..	..	691,152	774,808	411	104,503	..	..	104,914

Outturn (in cubic feet, solid) of Timber and Fuel during the year 1900-1901, and Agency of Exploitation—*cont.*

District.	Timber.					Fuel.					Total.	Bamboos.				
	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Outturn.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
SOUTHERN CIRCLE—*cont.*	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	NO	NO.	NO.	NO.	NO.
North Malabar.																
Reserved Forests—																
Teak	30,082	182	20	..	30,284	..	..	..	..	..	..	..	..	..	..	..
Vengai	4,040	23	..	..	4,063	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous	37,743	686	5,905	..	44,334	..	..	..	..	..	..	..	..	..	..	..
Total ..	71,865	891	5,925	..	78,681	300	1,720	1,400	..	3,420	82,101	3,160	12,509	1,200	..	16,869
South Malabar.																
Reserved Forests—																
Teak	17,852	4,040	..	..	21,892	..	..	..	..	..	..	..	..	..	..	..
Rosewood	401	583	..	..	984	..	..	..	..	..	..	..	..	..	..	..
Vengai	..	470	..	..	470	..	..	..	..	..	..	..	..	..	..	..
Ironwood	5,929	5,050	..	..	10,979	..	..	..	..	..	..	..	..	..	..	..
Hopea	22,683	3,091	..	..	25,774	..	..	..	..	..	..	..	..	..	..	..
Terminalia tomentosa	49,949	5,557	..	..	55,506	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous	6,096	133,732	..	..	139,828	..	..	..	..	..	..	..	..	..	..	..
Total ..	102,910	152,523	..	..	255,433	41,574	13,471	..	..	55,045	310,478	56,068	77,450	..	..	133,518
Reserved lands—																
Teak	10,786	5,830	..	..	16,616	..	..	..	..	..	..	..	..	..	..	..
Rosewood	..	162	..	..	162	..	..	..	..	..	..	..	..	..	..	..
Ironwood	31,764	13,663	..	..	45,427	..	..	..	..	..	..	..	..	..	..	..
Hopea	..	53	..	..	53	..	..	..	..	..	..	..	..	..	..	..
Terminalia tomentosa	..	695	..	..	695	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous	..	12,791	..	..	12,791	..	..	..	..	..	..	..	..	..	..	..
Total ..	42,550	33,194	..	..	75,744	611	..	..	..	611	76,355	41,184	1,075	..	..	42,259
Unreserved lands—																
Ironwood	162	..	..	..	162	..	..	..	..	..	162	..	..	..	..	..
Grand Total ..	145,622	185,717	..	..	331,339	42,185	13,471	..	..	55,656	386,995	97,252	78,525	..	..	175,777

Outturn (in cubic feet, solid) of Timber and Fuel during the year 1900-1901, and Agency of Exploitation—*cont.*

District.	Timber.					Fuel.					Total.	Bamboos.				
	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Outturn.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
SOUTHERN CIRCLE—*cont.*	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	NO.	NO.	NO.	NO.	NO.
The Nilgiris.																
Reserved forests—																
Teak	4,065	..	..	..	4,065	..	..	..	..	..	..	..	..	..	..	..
Rosewood	..	162	..	..	162	..	..	..	..	..	..	..	..	..	..	..
Vengai	180	163	..	..	343	..	..	..	..	..	..	..	..	..	..	..
Sandalwood	174	..	..	..	174	..	..	..	..	..	..	..	..	..	..	..
Terminalia tomentosa	21,133	8	..	..	21,141	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous	703	2,105	584	..	3,392	..	..	..	..	..	..	..	..	..	..	..
Total ..	26,255	2,438	584	..	29,277	189,711	29,938	4,000	..	223,649	252,926	3,470	378,570	3,405	..	385,445
Reserved lands—																
Miscellaneous	..	..	..	360	360	..	..	1,120	34	1,154	1,514	..	..	1,000	825	1,825
Unreserved lands—																
Miscellaneous	..	..	..	..	..	..	..	135	..	135	135	..	..	..	..	..
Grand total ..	26,255	2,438	584	360	29,637	189,711	29,938	5,255	34	224,938	254,575	3,470	378,570	4,405	825	387,270
North Coimbatore.																
Reserved forests—																
Teak	477	..	..	..	477	..	..	..	..	..	..	..	..	..	..	..
Vengai	1,714	..	..	..	1,714	..	..	..	..	..	..	..	..	..	..	..
Sandalwood	3,707	..	..	..	3,707	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous	981	27,824	1,982	..	30,787	..	..	..	..	..	..	..	..	..	..	..
Total ..	6,879	27,824	1,982	..	36,685	3,112	311,347	..	..	314,459	351,144	198,361	1,207,580	4,600	..	1,410,541
Unreserved lands—																
Miscellaneous	..	785	..	..	785	..	..	..	..	..	785	..	..	..	..	..
Grand total ..	6,879	28,609	1,982	..	37,470	3,112	311,347	..	..	314,459	351,929	198,361	1,207,580	4,600	..	1,410,541
South Coimbatore.																
Reserved forests—																
Teak	10,657	2,683	..	..	13,340	..	..	..	..	..	..	..	..	..	..	..
Rosewood	278	562	..	..	840	..	..	..	..	..	..	..	..	..	..	..
Vengai	..	509	..	..	509	..	..	..	..	..	..	..	..	..	..	..
Ironwood	1,117	..	..	..	1,117	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous	15,559	12,319	730	..	28,608	..	..	..	..	..	..	..	..	..	..	..
Total ..	27,611	16,073	730	..	44,414	94,400	724,375	..	..	818,775	863,189	2,767	1,139,225	3,800	..	1,145,792
Unreserved lands—																
Miscellaneous	..	2,265	1,400	..	3,665	..	36,746	..	..	36,746	40,411	..	..	..	..	..
Grand total ..	27,611	18,338	2,130	..	48,079	94,400	761,121	..	..	855,521	903,600	2,767	1,139,225	3,800	..	1,145,792

Outturn (in cubic feet, solid) of Timber and Fuel during the year 1900–1901, and Agency of Exploitation—*cont.*

District.	Timber.					Fuel.					Total.	Bamboos.				
	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Outturn.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
SOUTHERN CIRCLE—*cont.*	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	NO.	NO.	NO.	NO.	NO.
Madura.																
Reserved forests—																
Miscellaneous	..	46,789	160	..	46,949	..	499,307	..	..	499,307	546,256	..	85,127	..	..	85,127
Unreserved lands—																
Vengai	..	242	..	..	242	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous	..	106,096	..	..	106,096	..	..	..	..	..	..	..	..	..	..	..
Total ..	..	106,338	..	..	106,338	..	922	..	..	922	107,260	..	7	..	..	7
Grand Total ..	..	153,127	160	..	153,287	..	500,229	..	..	500,229	653,516	..	85,134	..	..	85,134
Tinnevelly.																
Reserved forests—																
Teak	..	40	..	..	40	..	..	..	..	..	..	..	..	..	..	..
Vengai	..	60	..	..	60	..	..	..	..	..	..	..	..	..	..	..
Hopea	1,278	40	..	..	1,318	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous	..	45,758	..	..	45,758	..	..	..	..	..	..	..	..	..	..	..
Total ..	1,278	45,898	..	..	47,176	11,986	1,808,744	..	..	1,820,730	1,867,906	..	73,122	..	..	73,122
Unreserved lands—																
Miscellaneous	..	..	120	..	120	11,878	369,773	..	..	381,651	381,771	..	9,140	..	..	9,140
Grand total ..	1,278	45,898	120	..	47,296	23,864	2,178,517	..	..	2,202,381	2,249,677	..	82,262	..	..	82,262
							Abstract.									
NORTHERN CIRCLE.																
Reserved forests—																
Teak	808	..	..	..	808	..	..	..	..	..	..	..	..	..	..	..
Vengai	3,370	..	..	..	3,370	..	..	..	..	..	..	..	..	..	..	..
Redwood	..	260	..	..	260	..	..	..	..	..	..	..	..	..	..	..
Sal	1,778	..	..	..	1,778	..	..	..	..	..	..	..	..	..	..	..
Ironwood	1,829	7,774	60	..	9,663	..	..	..	..	..	..	..	..	..	..	..
Terminalia tomentosa	3,853	420	..	..	4,273	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous	22,059	410,989	11,588	1,311	445,947	..	..	..	..	..	..	..	..	..	..	..
Total ..	33,697	419,443	11,648	1,311	466,099	568,014	1,730,710	788	257,510	2,557,022	3,023,121	5,527	8,880,502	37,005	20,489	8,943,523

Outturn (in cubic feet, solid) of Timber and Fuel during the year 1900-1901, and Agency of Exploitation—*cont.*

District.	Timber.					Fuel.					Total.	Bamboos.				
	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Outturn.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
						Abstract—cont.										
NORTHERN CIRCLE—*cont.*	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	NO.	NO.	NO.	NO.	NO.
Reserved lands—																
Teak	5,009	..	..	..	5,009	..	..	..	..	..	..	..	..	..	..	..
Sal	..	1,069	..	..	1,069	..	..	..	..	..	..	..	..	..	..	..
Sandalwood	1,775	..	..	..	1,775	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous	45,391	58,488	736	..	104,615	..	..	..	..	..	..	..	..	..	..	..
Total ..	52,175	59,557	736	..	112,468	152,288	395,819	..	..	548,107	660,575	2,105	750,973	4,660	..	757,738
Unreserved lands—																
Teak	..	113,539	..	..	113,539	..	..	..	..	..	..	..	..	..	..	..
Rosewood	..	15	..	..	15	..	..	..	..	..	..	..	..	..	..	..
Sal	7,264	15,550	..	..	22,814	..	..	..	..	..	..	..	..	..	..	..
Ironwood	..	70	560	..	630	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous	106,299	800,084	4,968	..	911,351	..	..	..	..	..	..	..	..	..	..	..
Total ..	113,563	929,258	5,528	..	1,048,349	8,640	649,982	..	..	658,622	1,706,971	..	3,992,898	1,350	..	3,994,248
Grand Total ..	199,435	1,408,258	17,912	1,311	1,626,916	728,942	2,776,511	788	257,510	3,763,751	5,390,667	7,632	13,624,373	43,015	20,489	13,695,509
CENTRAL CIRCLE.																
Reserved forests—																
Redwood	1,728	20	22	..	1,770	..	..	..	..	..	..	..	..	..	..	..
Sandalwood	4	..	..	..	4	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous	15,105	170,941	31,309	..	217,355	..	..	..	..	..	..	..	..	..	..	..
Total ..	16,837	170,961	31,331	..	219,129	1,340,166	1,545,747	343,900	..	3,229,813	3,448,942	5,475	12,596,968	138,525	..	12,740,968
Reserved lands—																
Miscellaneous	..	605	..	..	605	..	..	..	..	..	..	..	..	..	..	..
Total ..	..	605	..	..	605	20	4,945	..	..	4,965	5,570	..	2,940	..	..	2,940
Unreserved lands—																
Sandalwood	161	..	..	..	161	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous	867	482,932	7,345	..	491,144	..	..	..	..	..	..	..	..	..	..	..
Total ..	1,028	482,932	7,345	..	491,305	571,298	2,329,063	..	..	2,900,361	3,391,666	254	73,787	1,419	..	75,460
Grand Total ..	17,865	654,498	38,676	..	711,039	1,911,484	3,879,755	343,900	..	6,135,139	6,846,178	5,729	12,673,695	139,944	..	12,819,368

Outturn (in cubic feet, solid) of Timber and Fuel during the year 1900–1901, and Agency of Exploitation—*cont.*

Abstract—cont.

District.	Timber.					Fuel.					Total.	Bamboos.				
	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Outturn.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
SOUTHERN CIRCLE.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	NO.	NO.	NO.	NO.	NO.
Reserved forests—																
Teak	63,133	6,945	20	..	70,098	..	..	..	..	..	..	..	..	..	..	..
Rosewood	712	1,485	..	..	2,197	..	..	..	..	..	..	..	..	..	..	..
Ironwood	8,195	5,687	..	..	13,882	..	..	..	..	..	..	..	..	..	..	..
Vengai	5,934	1,225	..	..	7,159	..	..	..	..	..	..	..	..	..	..	..
Sandalwood	3,881	..	..	..	3,881	..	..	..	..	..	..	..	..	..	..	..
Hopea	23,961	3,411	..	..	27,372	..	..	..	..	..	..	..	..	..	..	..
Terminalia tomentosa	76,508	6,661	..	..	83,169	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous	61,588	273,553	9,361	..	344,502	..	..	..	..	..	..	..	..	..	..	..
Total ..	243,912	298,967	9,381	..	552,260	375,224	3,584,154	5,400	..	3,964,778	4,517,038	264,037	3,056,308	13,005	..	3,333,350
Reserved lands—																
Teak	10,786	5,830	..	..	16,616	..	..	..	..	..	..	..	..	..	..	..
Rosewood	..	162	..	..	162	..	..	..	..	..	..	..	..	..	..	..
Ironwood	72,141	13,663	..	..	85,804	..	..	..	..	..	..	..	..	..	..	..
Hopea	15,876	53	..	..	15,929	..	..	..	..	..	..	..	..	..	..	..
Terminalia tomentosa	5,953	797	..	..	6,750	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous	..	12,918	..	360	13,278	..	..	..	..	..	..	..	..	..	..	..
Total ..	104,756	33,423	..	360	138,539	22,743	554	1,120	34	24,451	162,990	41,384	15,800	1,000	825	59,009
Unreserved lands—																
Teak	..	357	..	..	357	..	..	..	..	..	..	..	..	..	..	..
Vengai	..	242	..	..	242	..	..	..	..	..	..	..	..	..	..	..
Ironwood	162	25	..	..	187	..	..	..	..	..	..	..	..	..	..	..
Hopea	..	204	..	..	204	..	..	..	..	..	..	..	..	..	..	..
Terminalia tomentosa	..	840	..	..	840	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous	1,909	113,387	1,520	..	116,816	..	..	..	..	..	..	..	..	..	..	..
Total ..	2,071	115,055	1,520	..	118,646	13,882	844,510	135	..	858,527	977,173	..	16,200	..	..	16,200
Grand total ..	350,739	447,445	10,901	360	809,445	411,849	4,429,218	6,655	34	4,847,756	5,657,201	305,421	3,088,308	14,005	825	3,408,559

Outturn (in cubic feet, solid) of Timber and Fuel during the year 1900-1901, and Agency of Exploitation—*cont.*

District.	Timber.					Fuel.					Total.	Bamboos.				
	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Outturn.	Government.	Purchasers.	Free-grantees.	Right holders.	Total.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
						Circle Abstract.										
NORTHERN CIRCLE.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	NO.	NO.	NO.	NO.	NO.
Reserved forests, reserved lands and unreserved lands—																
Teak	5,817	113,539	..	..	119,356	..	..	..	..	..	..	..	..	..	..	..
Rosewood	..	15	..	..	15	..	..	..	..	..	..	..	..	..	..	..
Vengai	3,370	..	..	..	3,370	..	..	..	..	..	..	..	..	..	..	..
Redwood	..	260	..	..	260	..	..	..	..	..	..	..	..	..	..	..
Sal	9,042	16,619	..	..	25,661	..	..	..	..	..	..	..	..	..	..	..
Ironwood	1,829	7,844	620	..	10,293	..	..	..	..	..	..	..	..	..	..	..
Sandalwood	1,775	..	..	..	1,775	..	..	..	..	..	..	..	..	..	..	..
Terminalia tomentosa ..	3,853	420	..	..	4,273	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous	173,749	1,269,561	17,292	1,311	1,461,913	..	..	..	..	..	..	..	..	..	..	..
Total ..	199,435	1,408,258	17,912	1,311	1,626,916	728,942	2,776,511	788	257,510	3,763,751	5,390,667	7,632	13,624,373	43,015	20,489	13,695,509
CENTRAL CIRCLE.																
Reserved forests, reserved lands and unreserved lands—															..	..
Redwood	1,728	20	22	..	1,770	..	..	..	..	..	..	..	..	..	..	..
Sandalwood	165	..	..	..	165	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous	15,972	654,478	38,654	..	709,104	..	..	..	..	..	..	..	..	..	..	..
Total ..	17,865	654,498	38,676	..	711,039	1,911,484	3,879,755	343,900	..	6,135,139	6,846,178	5,729	12,673,695	139,944	..	12,819,368
SOUTHERN CIRCLE.																
Reserved forests, reserved lands and unreserved lands—																
Teak	73,919	13,132	20	..	87,071	..	..	..	..	..	..	..	..	..	..	..
Rosewood	712	1,647	..	..	2,359	..	..	..	..	..	..	..	..	..	..	..
Vengai	5,934	1,467	..	..	7,401	..	..	..	..	..	..	..	..	..	..	..
Ironwood	80,498	19,375	..	..	99,873	..	..	..	..	..	..	..	..	..	..	..
Sandalwood	3,881	..	..	..	3,881	..	..	..	..	..	..	..	..	..	..	..
Hopea	39,837	3,668	..	..	43,505	..	..	..	..	..	..	..	..	..	..	..
Terminalia tomentosa ..	82,461	8,298	..	..	90,759	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous	63,497	399,858	10,881	360	474,596	..	..	..	..	..	..	..	..	..	..	..
Total ..	350,739	447,445	10,901	360	809,445	411,849	4,429,218	6,655	34	4,847,756	5,657,201	305,421	3,088,308	14,005	825	3,408,559

Outturn (in cubic feet, solid) of Timber and Fuel during the year 1900–1901, and Agency of Exploitation—*cont.*

District.	Timber.					Fuel.					Total.	Bamboos.				
	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Outturn.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.
1	2	3	4	5.	6	7	8	9	10	11	12	13	14	15	16	17
						Presidency Abstract.										
	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	NO.	NO.	NO.	NO.	
Reserved forests—																
Teak	63,941	6,945	20	..	70,906	..	..	..	..	..	..	..	..	..	..	..
Rosewood	712	1,485	..	..	2,197	..	..	..	..	..	..	..	..	..	..	..
Vengai	9,304	1,225	..	..	10,529	..	..	..	..	..	..	..	..	..	..	..
Redwood	1,728	280	22	..	2,030	..	..	..	..	..	..	..	..	..	..	..
Sal	1,778	..	..	..	1,778	..	..	..	..	..	..	..	..	..	..	..
Ironwood	10,024	13,461	60	..	23,545	..	..	..	..	..	..	..	..	..	..	..
Sandalwood	3,885	..	..	..	3,885	..	..	..	..	..	..	..	..	..	..	..
Hopea	23,961	3,411	..	..	27,372	..	..	..	..	..	..	..	..	..	..	..
Terminalia tomentosa	80,361	7,081	..	..	87,442	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous	98,752	855,483	52,258	1,311	1,007,804	..	..	..	..	..	..	..	..	..	..	..
Total ..	294,446	889,371	52,360	1,311	1,237,488	2,283,404	6,860,611	350,088	257,510	9,751,613	10,989,101	275,039	24,533,778	188,535	20,489	25,017,841
Reserved lands—																
Teak	15,795	5,830	..	..	21,625	..	..	..	..	..	..	..	..	..	..	..
Rosewood	..	162	..	..	162	..	..	..	..	..	..	..	..	..	..	..
Sal	..	1,069	..	..	1,069	..	..	..	..	..	..	..	..	..	..	..
Ironwood	72,141	13,663	..	..	85,804	..	..	..	..	..	..	..	..	..	..	..
Sandalwood	1,775	..	..	..	1,775	..	..	..	..	..	..	..	..	..	..	..
Hopea	15,876	53	..	..	15,929	..	..	..	..	..	..	..	..	..	..	..
Terminalia tomentosa	5,953	797	..	..	6,750	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous	45,391	72,011	736	360	118,498	..	..	..	..	..	..	..	..	..	..	..
Total ..	156,931	93,585	736	360	251,612	175,051	401,318	1,120	34	577,523	829,135	43,489	769,713	5,660	825	819,687
Unreserved lands—																
Teak	..	113,896	..	..	113,896	..	..	..	..	..	..	..	..	..	..	..
Rosewood	..	15	..	..	15	..	..	..	..	..	..	..	..	..	..	..
Vengai	..	242	..	..	242	..	..	..	..	..	..	..	..	..	..	..
Sal	7,264	15,550	..	..	22,814	..	..	..	..	..	..	..	..	..	..	..
Ironwood	162	95	560	..	817	..	..	..	..	..	..	..	..	..	..	..
Sandalwood	161	..	..	..	161	..	..	..	..	..	..	..	..	..	..	..
Hopea	..	204	..	..	204	..	..	..	..	..	..	..	..	..	..	..
Terminalia tomentosa	..	840	..	..	840	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous	109,075	1,396,403	13,833	..	1,519,311	..	..	..	..	..	..	..	..	..	..	..
Total ..	116,662	1,527,245	14,393	..	1,658,300	593,820	3,823,555	135	..	4,417,510	6,075,810	254	4,082,885	2,769	..	4,085,908

Outturn (in cubic feet, solid) of Timber and Fuel during the year 1900–1901, and Agency of Exploitation—*cont.*

District.	Timber.					Fuel.					Total.	Bamboos.				
	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Outturn.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
						Presidency Abstract—cont										
	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	NO.	NO.	NO.	NO.	NO.
Reserved forests, reserved lands and unreserved lands—																
Tectona grandis (Teak) ..	79,736	126,671	20	..	206,427	..	..	..	..	..	..	..	..	..	..	..
Dalbergia latifolia (Rosewood).	712	1,662	..	..	2,374	..	..	..	..	..	..	..	..	..	..	..
Pterocarpus marsupium (Vengai)	9,304	1,467	..	..	10,771	..	..	..	..	..	..	..	..	..	..	..
Pterocarpus santalinus (Redwood)	1,728	280	22	..	2,030	..	..	..	..	..	..	..	..	..	..	..
Shorea robusta (Sâl)	9,042	16,619	..	..	25,661	..	..	..	..	..	..	..	..	..	..	..
Xylia dolabriformis (Ironwood).	82,327	27,219	620	..	110,166	..	..	..	..	..	..	..	..	..	..	..
Santalum album (Sandalwood).	5,821	..	..	..	5,821	..	..	..	..	..	..	..	..	..	..	..
Hopea parviflora	39,837	3,668	..	..	43,505	..	..	..	..	..	..	..	..	..	..	..
Terminalia tomentosa	86,314	8,718	..	..	95,032	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous	253,218	2,323,897	66,827	1,671	2,645,613	..	..	..	..	..	..	..	..	..	..	..
Presidency total ..	568,039	2,510,201	67,489	1,671	3,147,400	3,052,275	11,085,484	351,343	257,544	14,746,646	17,894,046	318,782	29,386,376	196,964	21,314	29,923,436

ANNUAL FORM No. 56.

Forest Department, Madras Presidency.

OUTTURN of Minor Forest Produce during the year 1900–1901.

Circle.	Description of produce.	Produce removed or utilized.									
		By Government Agency.		By purchasers.		By free grants.		By right-holders.		Total.	
		Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.
1	2	3	4	5	6	7	8	9	10	11	12
			Rs.		Rs.		Rs.		Rs.		Rs.
Northern Circle.	Grass and grazing	..	..	..	1,92,244	..	52	..	700	..	1,92,996
	Stones, gravel, earth, &c.	..	..	Cart-loads 5,506 / Cubic yards 18,275	10,597	..	8	..	..	..	10,605
	Tamarind, soapnuts, gallnuts ..	..	..	..	13,418	..	..	..	300	..	13,718
	Horns, honey, wax, &c.	..	..	..	756	..	..	..	..	..	756
	Tangedu, &c., barks	..	..	..	45,275	..	..	..	..	..	45,275
	Miscellaneous	Maunds 287	1,389	..	1,34,599	..	52	..	38,566	..	1,74,606
	Total ..	Maunds 287	1,389	..	3,96,889	..	112	..	39,566	..	4,37,956
Central Circle.	Grass and grazing	Maunds 3,574	133	..	2,35,331	..	1,536	..	356	..	2,37,356
	Stones, gravel, earth, &c.	..	..	Cart-loads 789 / Cubic yards 1,606	3,305	..	..	..	..	..	3,305
	Tamarind, soapnuts, gallnuts ..	Maunds 2,260	604	..	..	..	..	..	..	..	604
	Horns, honey, wax, nux-vomica, &c.	,, 169	65	..	..	..	..	..	..	..	65
	Tangedu, &c., barks	,, 116	60	..	17,648	..	..	..	..	..	17,708
	Mica	..	..	..	28,269	..	..	..	..	..	28,269
	Miscellaneous	Maunds 7,478	1,528	..	1,70,629	..	690	..	..	..	1,72,847
	Total ..	Maunds 13,597	2,390	..	4,55,182	..	2,226	..	356	..	4,60,154
Southern Circle.	Grass and grazing	Maunds 1,850	581	..	83,132	..	75	..	3	..	83,791
	Stones, gravel, earth, &c.	..	..	Cart-loads 27,197 / Tons 389	1,975	..	..	..	..	..	1,975
	Tamarind, soapnuts, gallnuts ..	Maunds 22,141	21,036	..	1,119	..	..	..	16	..	22,171
	Horns, honey, wax, &c.	,, 534	3,678	..	33	..	..	..	..	..	3,711
	Tangedu, &c., barks	,, 82	324	..	6,280	..	..	..	..	..	6,604
	Catechu	,, 148	11,889	..	..	..	..	..	..	..	11,889
	Miscellaneous	,, 410	1,855	..	60,363	..	18	..	208	..	62,444
	Total ..	Maunds 25,165	39,363	..	1,52,902	..	93	..	227	..	1,92,585
	Grand Total ..	Maunds 39,049	43,142	..	10,04,973	..	2,431	..	40,149	..	10,90,695

Annual Form No. 57.

Forest Department, Madras Presidency.

Account of Timber cut or collected by Government Agency and brought to depot, sold locally or otherwise disposed of during the year 1900–1901.

Name of district.	Balance at commencement of the year in forest and sale depots.	Received during the year.	Total.	Disposed of during the year.	Balance in hand at close of the year in forest and sale depots.
1	2	3	4	5	6
TIMBER (cubic feet).					
Northern Circle.					
Ganjám	38,016	121,298	159,314	146,510	12,804
Vizagapatam	103	1,797	1,900	703	1,197
Gódávari	4,314	5,699	10,013	2,245	7,768
Kistna	..	4,259	4,259	3,666	593
Kurnool	7,178	14,280	21,458	19,858	1,600
Bellary	13,029	52,102	65,131	54,651	10,480
Anantapur	..	..	..	..	..
Total	62,640	199,435	262,075	227,633	34,442
Central Circle.					
Cuddapah	40,188	1,728	41,916	19,361	22,555
Nellore	..	420	420	420	..
Chingleput	..	..	..	..	..
North Arcot	..	5,670	5,670	5,520	150
South Arcot	402	8	410	211	199
Salem	965	2,182	3,147	2,781	366
Trichinopoly	..	7,857	7,857	7,857	..
Tanjore	..	..	..	..	..
Total	41,555	17,865	59,420	36,150	23,270
Southern Circle.					
South Canara	69,888	71,229	141,117	54,963	86,154
Malabar (North)	177,934	71,865	249,799	126,771	123,028
Do. (South)	177,458	145,622	323,080	(*a*) 237,812	85,268
Nilgiris	31,380	26,255	57,635	39,157	18,478
Coimbatore (North)	1,246	6,879	8,125	6,324	1,801
Do. (South)	201,037	27,611	228,648	(*a*) 40,028	188,620
Madura	..	..	..	..	..
Tinnevelly	4,487	1,278	5,765	3,674	2,091
Total	663,430	350,739	1,014,169	508,729	505,440
Grand Total	767,625	568,039	1,335,664	772,512	563,152
FUEL (cubic feet).					
Northern Circle.					
Ganjám	..	490	490	490	..
Vizagapatam	..	21,657	21,657	20,368	1,289
Gódávari	..	5,940	5,940	5,940	..
Kistna	..	23,550	23,550	556	22,994
Kurnool	110,576	511,957	622,533	506,428	116,105
Bellary	39,726	165,348	205,074	118,434	86,640
Anantapur	..	..	..	..	..
Total	150,302	728,942	879,244	652,216	227,028
Central Circle.					
Cuddapah	4,625	20,424	25,049	(*b*) 297	24,752
Nellore	104,119	306,386	410,505	248,242	162,263
Chingleput	110	38,169	38,279	26,019	12,260
North Arcot	15,083	15,434	30,517	(*b*) 28,975	1,542
South Arcot	1,173	10,216	11,389	10,727	662
Salem	25,089	1,444,874	1,469,963	1,408,344	61,619
Trichinopoly	39,525	75,981	115,506	(*b*) 101,826	13,680
Tanjore	..	..		..	..
Total	189,724	1,911,484	2,101,208	1,824,430	276,778
Southern Circle.					
South Canara	9,352	58,277	67,629	19,696	47,933
Malabar (North)	470	300	770	300	470
Do. (South)	160	42,185	42,345	41,864	481
Nilgiris	425,765	189,711	615,476	353,385	262,091
Coimbatore (North)		3,112	3,112	700	2,412
Do. (South)	214,720	94,400	309,120	190,240	118,880
Madura	2,657		2,657	(*b*) 2,057	600
Tinnevelly	..	23,864	23,864	22,114	1,750
Total	653,124	411,849	1,064,973	630,356	434,617
Grand Total	993,150	3,052,275	4,045,425	3,107,002	938,423

(*a*) Includes wastage of timber sawn and sold as fuel.
(*b*) Includes quantities ordered to be written off the accounts.

Account of Timber cut or collected by Government Agency and brought to depot, sold locally or otherwise disposed of during the year 1900–1901—*cont.*

Name of district.	Balance at commencement of the year in forest and sale depots.	Received during the year.	Total.	Disposed of during the year.	Balance in hand at close of the year in forest and sale depots.
1	2	3	4	5	6
MINOR FOREST PRODUCE (MAUNDS OF 25 LB.).					
Northern Circle.					
Ganjám	..	201	201	201	..
Vizagapatam	460	79	539	539	..
Gódávari	..	..	..	..	..
Kistna	4	7	11	..	11
Kurnool	42	..	42	42	..
Bellary	..	..	..	..	..
Anantapur	..	..	..	..	..
Total ..	506	287	793	782	11
Central Circle.					
Cuddapah	2	174	176	176	..
Nellore	3,128	4,259	7,387	2,739	4,648
Chingleput	..	..	..	..	..
North Arcot	..	178	178	160	18
South do.	..	7,194	7,194	7,172	22
Salem	412	1,792	2,204	1,378	826
Trichinopoly	25	..	25	..	25
Tanjore	6	..	6	(*a*) 6	..
Total ..	3,573	13,597	17,170	11,631	5,539
Southern Circle.					
South Canara	167	1,574	1,741	1,711	30
Malabar (North)	..	..	..	..	..
Do. (South)	159	..	159	159	..
Nilgiris	2,445	3,583	6,028	3,068	2,960
Coimbatore (North)	11,163	17,443	28,606	16,088	12,518
Do. (South)	62	2,565	2,627	2,531	96
Madura	..	..	..	..	..
Tinnevelly	..	..	..	..	..
Total ..	13,996	25,165	39,161	23,557	15,604
Grand Total ..	18,075	39,049	57,124	35,970	21,154
BAMBOOS (NUMBER).					
Northern Circle.					
Ganjám	..	..	..	..	..
Vizagapatam	..	1,025	1,025	1,025	..
Gódávari	..	..	..	..	..
Kistna	1,200	..	1,200	1,200	..
Kurnool	80	5,527	5,607	80	5,527
Bellary	793	1,080	1,873	827	1,046
Anantapur	..	..	..	..	..
Total ..	2,073	7,632	9,705	3,132	6,573
Central Circle.					
Cuddapah	..	..	..	..	..
Nellore	..	..	..	..	..
Chingleput	..	..	..	..	..
North Arcot	320	2,453	2,773	2,773	..
South do.	909	135	1,044	135	909
Salem	..	3,141	3,141	3,114	27
Trichinopoly	..	..	..	..	..
Tanjore	..	..	..	..	..
Total ..	1,229	5,729	6,958	6,022	936
Southern Circle.					
South Canara	296	411	707	651	56
Malabar (North)	2,000	3,160	5,160	5,160	..
Do. (South)	26,325	97,252	1,23,577	47,110	76,467
Nilgiris	..	3,470	3,470	3,470	..
Coimbatore (North)	16,540	1,98,361	2,14,901	2,11,041	3,860
Do. (South)	..	2,767	2,767	2,767	..
Madura	..	..	..	..	..
Tinnevelly	..	..	..	..	..
Total ..	45,161	3,05,421	3,50,582	2,70,199	80,383
Grand Total ..	48,463	3,18,782	3,67,245	2,79,353	87,892

(*a*) Includes 1 maund found short of weight when weighed at the time of disposal.

Annual Form No. 72-A (Old Code).

Forest Department, Madras Presidency.

Timber and other Produce cut, collected and removed by Consumers or Purchasers during 1900–1901.

District.	Timber.	Firewood and charcoal.	Bamboos.	Money value of sales.											
				Timber.		Firewood and charcoal.		Bamboos.		Grazing and fodder grass.		Minor produce.		Total.	
				Amount of sales.	Amount actually realized during the year.	Amount of sales.	Amount actually realized during the year.	Amount of sales.	Amount actually realized during the year.	Amount of sales.	Amount actually realized during the year.	Amount of sales.	Amount actually realized during the year.	Amount of sales.	Amount actually realized during the year.
Northern Circle.	C. FEET.	C. FEET.	NO.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
Ganjám	195,608	656,507	1,904,750	14,848	15,068	8,642	8,642	7,557	7,557	8,960	8,960	3,469	3,469	43,476	43,696
Vizagapatam	55,442	332,546	915,411	3,939	3,939	6,322	6,322	7,548	7,548	3,386	3,386	9,070	9,070	30,265	30,265
Gódávari	454,086	413,886	6,709,920	1,00,680	1,00,680	7,736	7,736	30,981	30,981	12,997	12,997	29,960	29,960	1,82,354	1,82,354
Kistna	299,268	483,711	137,880	21,330	20,550	15,032	12,417	1,438	1,438	67,504	66,666	24,426	20,205	1,29,730	1,21,276
Kurnool	210,346	436,202	3,864,725	21,981	22,174	11,295	11,449	17,020	17,051	41,369	41,505	38,781	37,198	1,30,446	1,29,377
Bellary	164,026	296,194	82,482	11,118	11,118	6,318	6,318	1,648	1,648	40,014	40,014	50,614	50,903	1,09,712	1,10,001
Anantapur	29,482	157,465	9,205	4,191	4,130	3,079	3,061	230	230	18,014	18,059	48,325	43,011	73,839	68,491
Total ..	1,408,258	2,776,511	13,624,373	1,78,087	1,77,659	58,424	55,945	66,422	66,453	1,92,244	1,91,587	2,04,645	1,93,816	6,99,822	6,85,460
Central Circle.															
Cuddapah	186,095	520,136	1,359,330	14,734	15,125	10,757	11,993	4,214	4,268	30,163	30,143	50,016	48,889	1,09,884	1,10,418
Nellore	63,482	49,916	3,176	7,259	7,313	9,276	15,602	172	172	43,378	43,585	35,639	39,480	95,701	1,06,152
Chingleput	51,428	180,402	12,742	3,362	3,357	12,224	12,330	31	31	12,974	12,975	8,770	8,763	37,384	37,456
North Arcot	20,032	327,307	4,763,479	4,179	6,134	26,152	29,248	22,676	24,171	34,775	34,775	54,941	29,977	1,42,723	1,24,305
South do.	8,312	585,442	167,252	1,035	1,035	36,890	36,902	136	136	42,912	42,897	17,484	17,470	98,457	98,440
Salem	296,083	427,039	5,955,840	19,563	19,539	9,906	9,824	28,304	32,785	54,316	54,312	32,723	38,909	1,44,812	1,55,369
Tanjore	7,803	530,792	2,365	488	488	9,945	9,802	317	328	1,165	1,161	4,094	4,526	16,009	16,305
Trichinopoly	21,263	1,258,721	409,511	2,596	2,596	30,000	25,900	2,360	2,365	15,648	15,884	16,184	13,118	66,788	59,863
Total ..	654,498	3,879,755	12,673,695	53,216	55,587	1,45,150	1,51,601	58,210	64,256	2,35,331	2,35,732	2,19,851	2,01,132	7,11,758	7,08,308
Southern Circle.															
South Canara	12,427	632,875	104,503	2,368	2,212	10,567	10,703	1,567	1,567	4,368	4,368	6,055	9,122	24,925	27,972
North Malabar	891	1,720	12,509	1,185	1,182	27	27	249	199	2,540	2,540	1,047	1,498	5,048	5,446
South do.	185,717	13,471	78,525	15,386	19,988	509	509	1,328	1,328	65	65	1,784	1,884	20,554	23,774
The Nilgiris	2,438	29,938	378,570	573	583	1,129	1,129	3,523	3,523	8,203	8,203	982	982	14,410	14,420
North Coimbatore ..	28,609	311,347	1,207,580	2,989	2,989	16,035	16,035	3,868	3,868	38,860	38,860	7,713	7,713	69,465	69,465
South do.	18,338	761,121	1,139,225	8,142	6,242	11,641	13,558	4,534	5,180	7,851	7,851	4,972	4,973	35,658	37,804
Madura	153,127	500,229	85,134	10,288	10,281	30,906	30,901	3,191	3,191	15,385	15,385	36,103	36,073	95,873	95,831
Tinnevelly	45,898	2,178,517	82,262	1,824	2,830	31,975	35,538	648	641	5,860	5,860	11,114	18,723	51,421	63,592
Total ..	447,445	4,429,218	3,088,308	42,755	46,307	1,02,789	1,08,400	18,908	19,497	83,132	83,132	69,770	80,968	3,17,354	3,38,304
Grand Total ..	2,510,201	11,085,484	29,386,376	2,74,058	2,79,553	3,06,363	3,15,946	1,43,540	1,50,206	5,10,707	5,10,451	4,94,266	4,75,916	17,28,934	17,32,072
Add outstandings at the close of 1899–1900 ..														1,96,438	
Total ..														19,25,372	
Deduct amount realized as per Form No. 55 ..														17,32,072	
Balance outstanding on 30th June 1901 ..														1,93,300	

ANNUAL FORM No. 72-B (OLD CODE).

Forest Department, Madras Presidency.

TIMBER and other Produce Confiscated and Sold during the year 1900–1901.

District.	TIMBER.		FIREWOOD.		BAMBOOS.		Minor produce in value.	Total amount of sales.	Amount actually realized.
	Quantity in cubic feet.	Amount of sales.	Quantity in cubic feet.	Amount of sales.	Number.	Amount of sales.			
Northern Circle.		RS.		RS.		RS.	RS.	RS.	RS.
Ganjám	2,727	326	291	11	2,453	11	..	348	348
Vizagapatam ..	2,952	152	712	22	776	7	21	202	202
Gódávari	49,693	4,666	41,690	450	2,362	12	497	5,625	5,625
Kistna	722	26	135	6	540	3	20	55	55
Kurnool	7,460	974	675	65	6,028	22	56	1,117	1,120
Bellary	48	12	80	2	..	..	..	14	14
Anantapur	115	22	148	3	..	..	12	37	37
Total ..	63,717	6,178	43,731	559	12,159	55	606	7,398	7,401
Central Circle.									
Cuddapah	1,043	299	614	46	..	..	30	375	536
Nellore	256	16	4,576	572	..	..	17	605	616
Chingleput	40	5	75	2	..	..	1	8	8
North Arcot ..	420	341	361	33	1,126	4	31	409	409
South do. ..	572	71	1,089	43	535	3	50	167	167
Salem	631	80	771	27	6,313	131	4	242	242
Trichinopoly ..	98	319	2,362	102	183	6	88	515	515
Tanjore	43	3	149	7	..	..	6	16	16
Total ..	3,103	1,134	9,997	832	8,157	144	227	2,337	2
Southern Circle.									
South Canara ..	4,673	1,252	1,412	72	1,484	20	49	1,393	1,393
Malabar, North ..	..	..	..	..	..	..	..	..	..
Do. South ..	94	6	..	..	..	..	..	6	6
The Nilgiris ..	502	141	65	1	..	..	2	144	140
Coimbatore, North ..	331	58	13	1	13,281	137	17	213	213
Do. South ..	1,193	398	3,878	85	30	2	22	507	507
Madura	2,265	263	922	62	7	1	39	365	365
Tinnevelly	167	60	16,734	714	..	..	23	797	813
Total ..	9,225	2,178	23,024	935	14,802	160	152	3,425	3,437
Grand Total ..	76,045	9,490	76,752	2,326	35,118	359	985	13,160	13,347

Add outstandings at the close of 1899–1900 ..	944
Total ..	14,104
Deduct amount realized as per Form No. 59 ..	13,347
Balance outstanding on the 30th June 1901 ..	757

ANNUAL FORM No. 58.

Forest Department, Madras Presidency.

ABSTRACT showing the Value of Timber and other Produce at sale depots for the year 1900–1901.

District.	Description of timber or produce.	On hand at commencement of the year.			On hand at close of the year.			Difference in value.	
		Number.	Cubic feet.	Value.	Number.	Cubic feet.	Value.	In favour of the year.	Against the year.
	Northern Circle.			RS.			RS.	RS.	RS.
Ganjám ..	Sal	..	10,728	4,023	..	3,383	1,269	..	2,754
	Miscellaneous ..	..	27,288	6,822	..	9,421	2,262	..	4,560
	Total, timber ..	..	38,016	10,845	..	12,804	3,531	..	7,314
Vizagapatam.	Miscellaneous timber ..	..	103	26	..	1,197	1,021	995	..
	Minor produce ..	MDS. 460	..	3	..	..	5	2	..
	Fuel	..	..	..	..	1,289	50	50	..
Gódávari ..	Teak	..	34	8	..	..	..	..	8
	Rosewood ..	..	3	1	..	..	..	..	1
	Miscellaneous ..	..	4,277	2,859	..	7,768	4,210	1,351	..
	Total, timber ..	..	4,314	2,868	..	7,768	4,210	1,351	9
Kistna ..	Miscellaneous timber ..	..	..	..	..	593	545	545	..
	Bamboos ..	1,200	..	23	..	..	..	..	23
	Fuel	..	..	..	..	22,994	1,365	1,365	..
	Minor produce ..	MDS. 4	..	8	MDS. 11	..	8	..	..
Kurnool ..	Teak	..	398	398	..	73	73	..	325
	Miscellaneous ..	..	6,780	3,390	..	1,527	763	..	2,627
	Total, timber ..	..	7,178	3,788	..	1,600	836	..	2,952
	Fuel	..	110,576	5,528	..	116,105	6,828	1,300	..
	Bamboos ..	80	..	2	5,527	..	110	108	..
	Minor produce ..	42	..	42	..	..	..	..	42
Bellary ..	Teak	..	427	22	..	1,684	88	66	..
	Miscellaneous ..	..	12,602	504	..	8,796	800	296	..
	Total, timber ..	..	13,029	526	..	10,480	888	362	..
	Fuel	..	39,726	5,904	..	86,640	8,525	2,621	..
	Bamboos ..	798	..	45	1,046	..	62	17	..
Anantapur.	....	..	..	..	..	..	..	..	..
	Central Circle.								
Cuddapah ..	Redwood ..	..	40,155	13,050	..	22,555	6,756	..	6,324
	Miscellaneous ..	..	33	30	..				
	Total, timber ..	..	40,188	13,080	..	22,555	6,756	..	6,324
	Fuel	..	* 4,625	236	..	24,752	1,180	944	..
	Minor produce ..	MDS. 2	..	11	..	..	..	..	11
Nellore ..	Fuel	..	104,119	13,822	..	162,263	15,849	2,027	..
	Minor produce ..	MDS. 3,128	..	2,425	MDS. 4,648	..	3,280	855	..
Chingleput.	Fuel	..	110	11	..	12,260	122	111	..
North Arcot.	Miscellaneous timber ..	..	..	..	..	150	75	75	..
	Fuel	..	15,083	927	..	1,542	34	..	893
	Bamboos ..	320	..	19	..	..	..	..	19
	Minor produce ..	..	..	..	18	..	18	18	..
South Arcot.	Teak	..	190	95	..	..	..	..	95
	Sandalwood ..	..	70	300	..	..	..	..	300
	Miscellaneous ..	..	142	18	..	199	24	6	..
	Total, timber ..	..	402	413	..	199	24	6	395
	Fuel	..	1,173	73	..	662	35	..	38
	Bamboos ..	909	..	14	909	..	14	..	..
	Minor produce ..	..	..	..	22	..	22	22	..

* Relates to Forest Depots and not to sale depots.

Abstract showing the Value of Timber and other Produce at sale depots, &c.—*cont.*

District.	Description of timber or produce.	On hand at commencement of the year.			On hand at close of the year.			Difference in value.	
		Number.	Cubic feet.	Value.	Number.	Cubic feet.	Value.	In favour of the year.	Against the year.
	Central Circle—cont.			RS.			RS.	RS.	RS.
Salem ..	Sandalwood ..	..	643	6,430	..	148	1,480	..	4,950
	Miscellaneous ..	..	322	322	..	218	218	..	104
	Total, timber ..	..	965	6,752	..	366	1,698	..	5,054
	Fuel	..	25,089	392	..	61,619	963	571	..
	Bamboos ..	..	..	..	27	..	20	20	..
	Minor produce ..	MDS. 412	..	28	MDS. 826	..	126	98	..
Trichinopoly	Fuel	..	39,525	4,246	..	13,680	9,219	4,973	..
	Minor produce ..	25	..	37	MDS. 25	..	87	50	..
Tanjore ..	Minor produce ..	MDS. 6	..	5	..	..	..	..	5
	Southern Circle.								
South Canara.	Rosewood ..	..	101	177	..	509	636	459	..
	Miscellaneous ..	..	69,787	49,937	..	85,645	60,853	10,916	..
	Total, timber ..	..	69,888	50,114	..	86,154	61,489	11,375	..
	Fuel	..	9,352	1,519	..	47,933	755	..	764
	Bamboos ..	296	..	44	56	..	5	..	39
	Minor produce ..	MDS. 167	..	167	MDS. 30	..	262	95	..
North Malabar.	Teak	..	61,419	30,709	..	51,048	25,524	..	5,185
	Rosewood ..	..	1,294	647	..	979	489	..	158
	Vengai	..	12,930	6,465	..	11,863	5,931	..	534
	Miscellaneous ..	..	102,291	26,843	..	59,138	10,724	..	16,119
	Total, timber ..	..	177,934	64,664	..	123,028	42,668	..	21,996
	Fuel	..	470	60	..	470	60	..	..
	Bamboos ..	2,000	..	150	..	..	..	..	150
South Malabar.	Teak	..	15,668	60,597	..	15,346	35,785	..	24,812
	Rosewood ..	..	1,314			401			
	Hopea	..	..			1,632			
	Vengai	..	179			..			
	Ironwood ..	..	38,358			29,282			
	Terminalia tomentosa ..	..	75,343			.. 33,378			
	Miscellaneous ..	..	46,596			5,229			
	Total, timber ..	..	177,458	60,597	..	85,268	35,785	..	24,812
	Fuel	..	160	18	..	481	50	32	..
	Bamboos ..	26,325	..	1,580	76,467	..	1,529	..	51
	Minor produce ..	MDS. 159	..	490	..	..	..	..	490
The Nilgiris.	Teak	..	..	..	..	78	273	273	..
	Miscellaneous ..	..	31,380	2,791	..	18,400	1,382	..	1,409
	Total, timber ..	..	31,380	2,791	..	18,478	1,655	273	1,409
	Fuel	..	425,765	3,367	..	262,091	1,434	..	1,933
	Minor produce ..	MDS. 2,445	..	2,445	MDS. 2,960	..	2,500	55	..
North Coimbatore.	Teak	..	473	800	..	348	450	..	350
	Vengai	..	423	450	..	514	520	70	..
	Sandalwood ..	..	232	446	..	200	300	..	146
	Miscellaneous ..	..	118	100	..	739	180	80	..
	Total, timber ..	..	1,246	1,796	..	1,801	1,450	150	496
	Fuel	..	..	..	..	2,412	38	38	..
	Bamboos ..	16,540	..	400	3,860	..	90	..	310
	Minor produce ..	MDS. 11,163	..	12,776	MDS. 12,518	..	25,826	13,050	..

Abstract showing the Value of Timber and other Produce at sale depots, &c.—*cont.*

District.	Description of timber or produce.	On hand at commencement of the year.			On hand at close of the year.			Difference in value.	
		Number.	Cubic feet.	Value.	Number.	Cubic feet.	Value.	In favour of the year.	Against the year.
	Southern Circle—cont.			RS.			RS.	RS.	RS.
South Coimbatore.	Teak	..	476	952	..	12,685	25,013	24,061	..
	Rosewood ..	..	176	352	..	252	599	247	..
	Terminalia tomentosa	..	5,628	4,159	..	..	..	..	4,159
	Miscellaneous ..	..	194,757	135,360	..	175,683	7,503	..	127,857
	Total, timber ..	..	201,037	1,40,823	..	188,620	33,115	24,308	132,016
	Fuel	..	214,720	2,963	..	118,880	1,872	..	1,091
	Minor produce ..	MDS. 62	..	62	MDS. 96	..	4	..	58
Madura ..	Fuel	..	2,657	418	..	600	94	..	324
Tinnevelly ..	*Hopea*	..	4,445	6,665	..	2,038	3,057	..	3,608
	Miscellaneous ..	..	42	42	..	53	53	11	..
	Total, timber ..	..	4,487	6,707	..	2,091	3,110	11	3,608
	Fuel	..	..	..	..	1,750	140	140	..
	ABSTRACT.								
	Northern Circle.			RS.			RS.	RS.	RS.
	Timber	..	62,640	18,053	..	34,442	11,031	..	7,022
	Fuel	..	150,302	11,432	..	227,028	16,768	5,336	..
	Bamboos ..	2,073	..	70	6,573	..	172	102	..
	Minor produce ..	MDS. 506	..	53	MDS. 11	..	13	..	40
	Central Circle.								
	Timber	..	41,555	20,245	..	23,270	8,553	..	11,692
	Fuel	..	189,724	19,707	..	276,778	27,402	7,695	..
	Bamboos ..	1,229	..	33	936	..	34	1	..
	Minor produce ..	MDS. 3,573	..	2,506	MDS. 5,539	..	3,533	1,027	..
	Southern Circle.								
	Timber	..	663,430	3,27,492	..	505,440	1,79,272	..	148,220
	Fuel	..	653,124	8,345	..	434,617	4,443	..	3,902
	Bamboos ..	45,161	..	2,174	80,383	..	1,624	..	550
	Minor produce ..	MDS. 13,996	..	15,940	MDS. 15,604	..	28,592	12,652	..
	GRAND TOTAL.								
				RS.			RS.	RS.	RS.
	Timber	..	767,625	3,65,790	..	563,152	1,98,856	..	1,66,934
	Fuel	..	993,150	39,484	..	938,423	48,613	9,129	..
	Bamboos ..	48,463	..	2,277	87,892	..	1,830	..	447
	Minor produce ..	MDS. 18,075	..	18,499	MDS. 21,154	..	32,138	13,639	..

ANNUAL FORM No. 59.

SUMMARY of Revenue of the different Districts for the Forest year 1900–1901.

Budget heads.	Northern Circle.									Central Circle.				
	Direction.	Ganjám.	Vizagapatam.	Gódávari.	Kistna.	Kurnool.	Bellary.	Anantapur.	Total.	Direction.	Nellore.	Cuddapah.	Chingleput.	North Arcot.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Receipts.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
I. Timber and other produce removed from the forests by Government Agency—														
(*a*) Timber	..	8,141	448	484	45	11,205	3,671	..	23,994	..	..	8,015	..	2,156
(*b*) Firewood and charcoal	..	60	497	239	19	16,233	10,601	..	27,649	..	30,879	31	3,263	2,117
(*c*) Bamboos	..	..	..	..	27	4	101	..	132	..	..	6	..	1,652
(*d*) Sandalwood	..	..	..	..	..	..	2,163	..	2,163	..	..	..	..	1,619
(*e*) Grass and other minor produce	..	1,108	275	..	6	25	..	..	1,414	..	2,029	120	..	129
II. Timber and other produce removed from the forests by consumers or purchasers—														
(*a*) Timber	..	15,068	3,939	1,00,680	20,550	22,174	11,118	4,130	1,77,659	..	7,313	15,125	3,357	6,134
(*b*) Firewood and charcoal	..	8,642	6,322	7,786	12,417	11,449	6,318	3,061	55,945	..	15,602	11,993	12,330	29,248
(*c*) Bamboos	..	7,557	7,548	30,981	1,438	17,051	1,648	230	66,453	..	172	4,268	31	24,171
(*d*) Grazing and fodder grass	..	8,960	3,386	12,997	66,666	41,505	40,014	18,059	1,91,587	..	43,585	30,143	12,975	34,775
(*e*) Other produce	..	3,469	9,070	29,960	20,205	37,198	50,903	43,011	1,93,816	..	39,480	48,889	8,763	29,977
III. Confiscated drift and waifwood	..	348	202	5,625	55	1,120	14	37	7,401	..	616	536	8	409
IV. Revenue from forests not managed by Government	..	..	..	..	..	..	..	..	..	..	..	..	..	..
V. Miscellaneous—														
(*a*) Fines and forfeitures	..	13	..	442	46	385	..	..	886	..	15	405	142	1,169
(*b*) Other sources	29	484	997	8,409	10,477	3,304	3,703	2,644	30,047	..	4,235	3,901	100	873
Total, Receipts	29	53,850	32,684	1,97,553	1,31,951	1,61,653	1,30,254	71,172	7,79,146	..	1,43,926	1,23,432	40,969	1,34,429

Budget heads.	Central Circle—*cont.*					Southern Circle.								
	South Arcot.	Salem.	Trichinopoly	Tanjore.	Total.	Direction.	Nilgiris.	North Coimbatore.	South Coimbatore.	Madura.	Tinnevelly.	North Malabar.	South Malabar.	South Canara.	Total.
16	17	18	19	20	21	22	23.	24	25	26	27	28	29	30
Receipts.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
I. Timber and other produce removed from the forests by Government Agency—															
(*a*) Timber	11	741	867	..	11,790	..	2,615	2,098	5,777	..	4,899	18,587	1,88,783	23,742	2,41,501
(*b*) Firewood and charcoal	1,142	1,15,169	8,352	..	1,60,953	..	15,812	17	8,154	37	1,363	..	2,724	720	23,827
(*c*) Bamboos	31	101	..	..	1,790	..	..	4,309	..	..	..	641	947	2	5,899
(*d*) Sandalwood	260	6,013	..	..	7,892	..	106	31,047	..	..	..	..	..	..	31,153
(*e*) Grass and other minor produce	18	133	87	4	2,520	..	2,560	23,226	4,461	..	3	30	291	12,690	43,261
II. Timber and other produce removed from the forests by consumers or purchasers—															
(*a*) Timber	1,035	19,539	2,596	488	55,587	..	583	2,989	6,242	10,281	2,830	1,182	19,988	2,212	46,307
(*b*) Firewood and charcoal	36,902	9,824	25,900	9,802	1,51,601	..	1,129	16,035	13,558	30,901	35,538	27	509	10,703	1,08,400
(*c*) Bamboos	136	32,785	2,365	328	64,256	..	3,523	3,868	5,180	3,191	641	199	1,328	1,567	19,497
(*d*) Grazing and fodder grass	42,897	54,312	15,884	1,161	2,35,732	..	8,203	38,860	7,851	15,385	5,860	2,540	65	4,368	83,132
(*e*) Other produce	17,470	38,909	13,118	4,526	2,01,132	..	982	7,713	4,973	36,073	18,723	1,498	1,884	9,122	80,968
III. Confiscated drift and waifwood	167	242	515	16	2,509	..	140	213	507	365	813	..	6	1,393	3,437
IV. Revenue from forests not managed by Government	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
V. Miscellaneous—															
(*a*) Fines and forfeitures	713	786	309	76	3,615	..	..	15	287	502	12	32	141	254	1,243
(*b*) Other sources	1,015	14,458	8,427	2,461	35,470	26	4,860	975	11,313	805	3,320	12,260	4,959	2,637	41,155
Total, Receipts	1,01,797	2,93,012	78,420	18,862	9,34,847	26	40,513	1,31,365	63,303	97,540	74,002	31,996	2,21,625	69,410	7,29,780

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(Signed) J. O. B. POWER, Chief Superintendent.

ANNUAL FORM No. 59—*cont.*

Forest Department, Madras Presidency, Northern Circle.

Summary of Expenditure of the different Districts for the Forest year 1900-1901.

Budget heads.	Direction.	Ganjám.	Vizagapatam.	Gódávari.	Kistna.	Kurnool.	Bellary.	Anantapur.	Total.
	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
I.—Refunds and Drawbacks—Revenue Refunds.	..	11	9	1,085	1,443	655	313	103	3,619
I. Timber and other produce removed from the forests by Government Agency—									
(*a*) Timber	..	1,317	243	172	..	5,995	1,642	..	9,369
(*b*) Firewood and charcoal	..	10	885	..	504	4,838	8,462	..	14,699
(*c*) Bamboos	..	..	..	..	..	149	99	..	248
(*d*) Sandalwood ..	..	..	..	..	..	..	184	..	184
(*e*) Grass and other minor produce ..	..	910	62	..	1	..	..	..	973
II. Timber and other produce removed from the forests by consumers or purchasers	..	5,319	4,834	13,323	6,700	17,461	4,225	1,642	53,504
III. Confiscated drift and waif-wood	..	34	43	1,151	1	61	..	13	1,303
IV. Revenue from forests not managed by Government	..	..	..	..	..	..	..	..	..
V. Rent of leased forests and payments to share-holders in forests managed by Government	..	..	..	..	..	..	10,000	..	10,000
VI. Live-stock, stores, tools and plant—									
(*a*) Purchase of cattle ..	..	..	..	..	..	..	205	..	205
(*b*) Feed and keep of cattle	..	3	900	1,025	..	1,251	57	..	3,236
(*c*) Stores, tools and plant	2,632	235	97	2,872	300	31	168	— 7	6,328
VII. Communications and buildings—									
(*a*) Roads and bridges ..	4	598	797	2,320	1,566	1,739	213	570	7,807
(*b*) Buildings	60	2,183	815	2,919	1 631	4,502	107	1,019	13,236
(*c*) Other works ..	..	437	36	10	566	440	25	..	1,514
VIII. Demarcation, improvement and extension of forests—									
(*a*) Demarcation ..	..	3,425	1,890	1,448	2,378	3,541	1,022	163	13,867
(*b*) Cost of forest settlement; compensation for land and rights	..	3	..	111	870	404	162	85	1,635
(*c*) Surveys (1) Local ..	995	755	439	856	1,576	1,012	445	212	6,290
(*c*) Surveys (2) Survey of India ..	24,000	..	..	..	..	..	..	..	24,000
(*d*) Working plans ..	1,335	..	..	149	105	38	61	..	1,688
(*e*) Sowing and planting.	360	399	517	4,718	2,587	180	1,770	414	10,945
(*f*) Protection from fire.	..	1,282	422	1,868	385	2,002	1,669	915	8,543
(*g*) Other works ..	..	197	..	..	11,314	544	3,711	3,635	19,401
IX. Miscellaneous—									
(*a*) Law charges ..	..	2	..	..	135	..	..	..	137
(*b*) Other charges ..	— 4	8	132	44	68	126	1	2	377
Total, I.—Refunds and Drawbacks —Revenue Refunds and A—Conservancy and Works.	29,382	17,128	12,121	34,071	32,130	44,969	34,541	8,766	2,13,108

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(Signed) J. O. B. POWER,
Chief Superintendent.

ANNUAL FORM No. 59—*cont*

Forest Department, Madras Presidency, Central Circle.

Summary of Expenditure of the different Districts for the Forest year 1900-1901—*cont.*

Budget heads.	Direction.	Nellore.	Cuddapah.	Chingleput.	North Arcot.	South Arcot.	Salem.	Trichinopoly.	Tanjore.	Total.
A.—CONSERVANCY AND WORKS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
I.—Refunds and Drawbacks—Revenue Refunds.	..	5,282	287	155	627	222	1,865	218	107	8,763
I. Timber and other produce removed from the forests by Government Agency—										
(*a*) Timber ..	..	..	808	..	837	..	908	134	..	2,687
(*b*) Firewood and charcoal ..	..	17,763	265	1,270	1,035	174	76,052	3,471	..	1,00,030
(*c*) Bamboos ..	..	..	..	..	551	..	57	..	..	608
(*d*) Sandalwood ..	..	..	..	..	164	16	185	..	..	365
(*e*) Grass and other minor produce ..	..	2,784	8	..	6	..	474	24	1	3,297
II. Timber and other produce removed from the forests by consumers or purchasers ..	..	7,654	9,956	1,695	924	1,914	6,833	1,664	373	31,013
III. Confiscated, drift and waifwood	..	..	42	8	165	6	23	12	..	256
IV. Revenue from forests not managed by Government	..	..	..	..	..	..	..	..	..	..
V. Rent of leased forests and payments to shareholders in forests managed by Government	..	..	..	..	..	..	..	..	..	..
VI. Live-stock, stores, tools and plant—										
(*a*) Purchase of cattle ..	..	64	..	..	..	..	..	..	..	64
(*b*) Feed and keep of cattle ..	..	..	..	..	..	..	..	..	..	..
(*c*) Stores, tools and plant ..	2,789	741	31	102	485	52	145	..	2	4,347
VII. Communications and buildings—										
(*a*) Roads and bridges ..	..	..	..	195	7,888	417	1,521	— 40	..	9,981
(*b*) Buildings ..	12	207	1,098	578	5,440	477	2,870	766	..	11,448
(*c*) Other works ..	..	221	53	149	378	65	109	..	..	975
VIII. Demarcation, improvement and extension of forests—										
(*a*) Demarcation ..	..	627	1,999	943	1,242	646	769	761	79	7,066
(*b*) Cost of forest settlement; compensation for land and rights ..	..	462	30	133	61	..	334	743	..	1,763
(*c*) Surveys (1) Local ..	297	1,214	390	359	872	226	1,090	360	..	4,808
(2) Survey of India ..	21,000	..	..	..	..	..	..	..	..	21,000
(*d*) Working plans.	14	337	..	..	1	..	226	62	..	640
(*e*) Sowing and planting ..	..	10,868	1,080	741	1,540	2,870	125	965	652	18,841
(*f*) Protection from fire	..	1,058	4,822	273	4,750	1,044	1,690	231	..	13,868
(*g*) Other works ..	..	1,393	3,260	2,162	8,154	7,415	7,746	3,395	436	33,961
IX. Miscellaneous—										
(*a*) Law charges ..	2	29	24	..	..	133	8	..	..	196
(*b*) Other charges ..	14	..	7	22	195	34	325	45	1	643
Total, I.—Refunds and Drawbacks—Revenue Refunds and A—Conservancy and works.	24,128	50,704	24,160	8,785	35,315	15,711	1,03,355	12,811	1,651	2,76,620

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(Signed) J. O. B. POWER,
Chief Superintendent.

ANNUAL FORM No. 59—*cont.*

Forest Department, Madras Presidency, Southern Circle.

Summary of Expenditure of the different Districts for the Forest year 1900-1901—*cont.*

Budget heads	Direction.	The Nilgiris.	North Coimbatore.	South Coimbatore.	Madura.	Tinnevelly.	North Malabar.	South Malabar.	South Canara.	Total.
	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
I.—Refunds and Drawbacks—Revenue Refunds.		32	387	15	188	568	477	521	456	2,644
I. Timber and other produce removed from the forests by Government Agency—										
(*a*) Timber ..	40	16,626	1,140	22,531	..	1,295	16,189	62,681	16,612	1,37,114
(*b*) Firewood and charcoal ..	..	8,600	..	923	51	2,311	124	..	476	12,485
(*c*) Bamboos ..	..	..	2,685	..	..	..	263	4,636	9	7,593
(*d*) Sandalwood ..	..	194	6,794	..	..	8	..	..	..	6,996
(*e*) Grass and other minor produce.	..	2,201	8,458	1,937	..	..	80	29	3,924	16,629
II. Timber and other produce removed from the forests by consumers or purchasers ..	..	1,015	3,194	6,026	2,820	1,074	379	20	4,969	19,497
III. Confiscated drift and waifwood	..	..	15	163	..	..	..	3	41	222
IV. Revenue from forests not managed by Government	..	..	..	..	..	..	..	..	..	..
V. Rent of leased forests and payments to shareholders in forests managed by Government	..	4,500	..	2,500	..	..	..	905	..	7,905
VI. Live-stock, stores, tools and plant—										
(*a*) Purchase of cattle ..	..	..	..	1,593	..	..	1,520	502	..	3,615
(*b*) Feed and keep of cattle ..	..	4,975	68	6,156	..	..	16,323	9,218	1,908	38,648
(*c*) Stores, tools and plant ..	68	186	328	3,712	360	224	279	386	363	5,906
VII. Communications and buildings—										
(*a*) Roads and bridges ..	..	1,586	3,883	2,186	289	3,777	2,216	758	..	14,695
(*b*) Buildings ..	..	1,279	4,511	3,984	1,348	2,700	2,614	709	548	17,693
(*c*) Other works ..	..	167	..	3,728	109	207	148	85	27	4,471
VIII. Demarcation, improvement and extension of forests—										
(*a*) Demarcation ..	..	1,858	1,943	9	655	379	8	..	3,829	8,681
(*b*) Cost of forest settlement; compensation for land and rights ..	..	..	..	424	..	..	..	..	130	554
(*c*) Surveys (1) Local ..	..	360	381	471	379	51	48	..	1,204	2,894
(*c*) Surveys (2) Survey of India ..	23,448	..	..	..	..	..	..	..	..	23,448
(*d*) Working plans.	20	..	..	..	201	..	19	..	..	240
(*e*) Sowing and planting ..	..	3,836	219	..	907	317	1,858	9,675	206	17,018
(*f*) Protection from fire	..	2,002	577	2,063	1,405	951	1,131	2,519	1,147	11,795
(*g*) Other works ..	..	813	5,606	1,395	5,983	4,226	1,095	1,176	..	20,294
IX. Miscellaneous—										
(*a*) Law charges ..	2	4	1	..	3	8	..	— 8	220	230
(*b*) Other charges ..	78	3,704	144	663	5	137	80	60	184	5,055
Total, I.—Refunds and Drawbacks—Revenue Refunds and A.—Conservancy and works.	23,656	53,938	40,334	60,479	14,703	18,233	44,851	93,875	36,253	3,86,322

MADRAS,
18th August 1901.

(Signed) J. O. B. POWER,
Chief Superintendent.

ANNUAL FORM No. 59—*cont.*

SUMMARY of Expenditure of the different Districts for the Forest year 1900–1901.

Budget heads	Northern Circle.									Central Circle.										Southern Circle.									
	Direction.	Ganjám.	Vizagapatam.	Gódávari.	Kistna.	Kurnool.	Bellary.	Anantapur.	Total.	Direction.	Nellore.	Cuddapah.	Chingleput.	North Arcot.	South Arcot.	Salem.	Trichinopoly.	Tanjore.	Total.	Direction.	Nilgiris.	North Coimbatore.	South Coimbatore.	Madura.	Tinnevelly.	North Malabar.	South Malabar.	South Canara.	Total.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
B.—"Establishments."	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
Brought forward; Total A. "Conservancy and Works"	29,382	17,128	12,121	34,071	32,130	44,966	34,541	8,766	2,13,108	24,128	50,704	24,160	8,785	35,315	15,711	1,03,355	12,811	1,651	2,76,620	23,656	53,938	40,334	60,479	14,703	18,233	44,851	93,875	36,253	3,86,322
I. Salaries—																													
(*a*) Conservators ...	17,021	...	...	...	...	...	...	...	17,021	19,200	...	...	...	...	...	...	...	...	19,200	13,377	...	...	...	...	...	...	...	...	13,377
(*b*) Superior officers ...	16,330	6,494	7,619	8,718	4,985	13,348	5,710	5,929	69,133	12,409	10,149	14,548	11,140	10,969	10,118	18,029	7,983	...	95,345	15,418	11,350	9,985	7,236	10,861	7,541	7,242	8,756	8,779	87,168
(*c*) Subordinate forest and depot establishments ...	2,193	9,459	5,030	11,963	10,668	13,460	8,735	6,739	68,247	2,353	11,623	15,840	5,617	15,406	10,296	16,826	6,372	1,910	86,243	531	12,916	9,620	10,779	9,708	13,296	8,304	6,903	9,320	81,467
(*d*) Office establishments.	9,458	3,130	2,093	4,243	4,196	4,400	3,097	2,351	32,968	10,086	4,900	4,665	1,972	4,197	3,465	5,024	2,582	924	37,815	9,638	4,046	3,899	3,663	4,034	3,444	3,373	2,556	4,483	39,136
(*e*) Exchange compensation allowances ...	1,593	408	431	416	221	679	63	378	4,189	1,536	103	369	687	282	455	723	492	...	4,647	1,554	35	605	429	685	479	386	552	502	5,227
II. Travelling allowances—																													
(*a*) Conservators ...	4,274	...	...	...	...	...	...	...	4,274	2,167	...	...	...	...	...	...	...	...	2,167	3,461	..	...	— 9	...	...	...	...	...	3,452
(*b*) Superior officers ...	5,679	1,236	1,493	2,172	1,087	3,152	1,218	1,650	17,787	4,310	2,164	2,209	903	2,316	761	3,363	668	433	17,127	4,481	759	1,798	1,228	1,308	1,011	2,224	1,566	1,427	15,802
(*c*) Subordinate forest and depot establishments ...	1,218	2,082	1,302	2,960	2,914	6,745	2,685	1,114	18,020	709	3,078	3,818	1,403	4,231	2,324	5,663	1,954	1,278	24,458	153	2,186	3,034	3,631	3,137	3,497	2,674	2,511	2,202	23,025
(*d*) Office establishments	2,533	488	132	715	906	796	361	622	6,553	1,586	1,264	523	263	999	445	890	387	155	6,512	1,761	195	632	501	819	358	951	608	744	6,569
III. Contingencies—																													
(*a*) Stationery ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
(*b*) Rents, rates and taxes	303	90	421	155	146	126	119	127	1,487	...	128	305	67	158	30	41	41	...	770	60	238	108	62	31	176	17	16	29	737
(*c*) Official postage and service telegrams	724	605	374	1,155	1,301	1,180	776	717	6,832	624	585	945	684	1,719	1,482	2,385	527	192	9,143	714	485	760	528	811	732	309	473	1,130	5,942
(*d*) Sundries	2,205	924	773	1,899	1,975	1,427	688	744	10,635	1,849	1,223	1,333	507	2,652	739	1,919	706	124	11,052	1,256	478	1,705	342	1,159	575	1,202	714	1,182	8,613
Total B.—"Establishments" ...	63,531	24,916	19,668	34,396	28,399	42,313	23,552	20,371	2,57,146	56,829	35,317	44,555	23,243	42,929	30,115	54,863	21,712	5,016	3,14,479	52,404	32,688	32,146	28,390	32,553	31,109	26,682	24,745	29,798	2,90,515
Grand Total of Expenditure.	92,913	42,044	31,789	68,467	60,529	87,282	58,093	29,137	4,70,254	80,957	85,921	68,715	32,028	78,244	45,826	1,58,218	34,523	6,667	5,91,099	76,060	86,626	72,480	88,869	47,256	49,342	71,533	1,18,620	66,051	6,76,837

MADRAS,
30th August 1901.

(Signed) J. O. B. POWER,
Chief Superintendent.

SUMMARY of Receipts and Expenditure during 1900–1901 for each Circle and for the Presidency prepared in the Board's office from the Accountant-General's statement.

Budget heads.	Northern Circle.	Central Circle.	Southern Circle.	Grand Total, Presidency.	
				1900–1901.	1899–1900.
1	2	3	4	5	6
RECEIPTS.	RS.	RS.	RS.	RS.	RS.
I. Timber and other produce removed from the forests by Government Agency—					
(a) Timber	23,994	11,790	2,41,501	2,77,285	1,71,832
(b) Firewood	27,649	1,60,953	23,827	2,12,429	2,44,200
(c) Bamboos	132	1,790	5,899	7,821	7,929
(d) Sandalwood	2,163	7,892	31,153	41,208	28,382
(e) Grass and other minor produce	1,414	2,520	43,261	47,195	49,251
Total, I	55,352	1,84,945	3,45,641	5,85,938	5,01,594
II. Timber and other produce removed from the forests by consumers or purchasers—					
(a) Timber	1,77,659	55,587	46,307	2,79,553	2,47,937
(b) Firewood and charcoal	55,945	1,51,601	1,08,400	3,15,946	2,84,367
(c) Bamboos	66,453	64,256	19,497	1,50,206	1,71,585
(d) Grazing and fodder grass	1,91,587	2,35,732	83,132	5,10,451	4,89,765
(e) Other produce	1,93,816	2,01,132	80,968	4,75,916	4,85,152
Total, II	6,85,460	7,08,308	3,38,304	17,32,072	16,78,806
III. Confiscated drift and waifwood	7,401	2,509	3,437	13,347	9,947
V. Miscellaneous—					
(a) Fines and forfeitures	886	3,615	1,243	5,744	5,265
(b) Other sources	30,047	35,470	41,155	1,06,672	1,17,895
Total, V	30,933	39,085	42,398	1,12,416	1,23,160
Grand Total, Receipts	7,79,146	9,34,847	7,29,780	24,43,773	23,13,507
EXPENDITURE.					
A.—Conservancy and Works.					
Refunds	3,619	8,763	2,644	15,026	9,443
I. Timber and other produce removed from the forests by Government Agency—					
(a) Timber	9,369	2,687	1,37,114	1,49,170	68,769
(b) Firewood and charcoal	14,699	1,00,030	12,485	1,27,214	1,43,412
(c) Bamboos	248	608	7,593	8,449	6,665
(d) Sandalwood	184	365	6,996	7,545	4,232
(e) Grass and other minor produce	973	3,297	16,629	20,899	25,421
Total, A-I	25,473	1,06,987	1,80,817	3,13,277	2,48,499
II. Timber and other produce removed from the forests by consumers or purchasers	53,504	31,013	19,497	1,04,014	1,03,698
III. Confiscated drift and waifwood	1,303	256	222	1,781	1,211
V. Rent of leased forests and payments to shareholders in forests managed by Government	10,000	..	7,905	17,905	17,020
VI. Live-stock, stores, tools and plant—					
(a) Purchase of cattle	205	64	3,615	3,884	6,238
(b) Feed and keep of cattle	3,236	..	38,648	41,884	35,173
(c) Stores, tools and plant	6,328	4,347	5,906	16,581	15,928
Total, A-VI	9,769	4,411	48,169	62,349	57,339
VII. Communications and buildings—					
(a) Roads and bridges	7,807	9,981	14,695	32,483	33,229
(b) Buildings	13,236	11,448	17,693	42,377	43,931
(c) Other works	1,514	975	4,471	6,960	9,148
Total, A-VII	22,557	22,404	36,859	81,820	86,308
VIII. Demarcation, improvement and extension of forests—					
(a) Demarcation	13,867	7,066	8,681	29,614	46,161
(b) Cost of forest settlement, compensation for land and rights	1,635	1,763	554	3,952	12,157
(c) (1) Local surveys	6,290	4,808	2,894	13,992	17,277
(c) (2) Surveys of India	24,000	21,000	23,448	68,448	69,013
(d) Working plans	1,688	640	240	2,568	2,934
(e) Sowing and planting	10,945	18,841	17,018	46,804	46,941
(f) Protection from fire	8,543	13,868	11,795	34,206	36,114
(g) Other works	19,401	33,961	20,294	73,656	71,246
Total, A-VIII	86,369	1,01,947	84,924	2,73,240	3,01,843

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Summary of Receipts and Expenditure during 1900–1901 for each Circle and for the Presidency prepared in the Board's office from the Accountant-General's statement—*cont.*

Budget heads.	Northern Circle.	Central Circle.	Southern Circle.	Grand Total, Presidency.	
				1900–1901.	1899–1900
1	2	3	4	5	6
EXPENDITURE—*cont.*					
A.—Conservancy and Works—cont.	Rs.	Rs.	Rs.	Rs.	Rs.
IX. Miscellaneous—					
(*a*) Law charges	137	196	230	563	526
(*b*) Other charges	377	643	5,055	6,075	6,514
Total, A-IX ..	514	839	5,285	6,638	7,040
Total, A.—Conservancy and Works ..	2,13,108	2,76,620	3,86,322	8,76,050	8,32,401
B.—Establishments.					
I. Salaries—					
(*a*) Conservators	17,021	19,200	13,377	49,598	49,239
(*b*) Superior officers	69,133	95,345	87,168	2,51,646	2,60,211
(*c*) Subordinate forest and depot establishments.	68,247	86,243	81,467	2,35,957	2,24,106
(*d*) Office establishments	32,968	37,815	39,136	1,09,919	1,05,043
(*e*) Deputation and Special allowances ..	..	..	..	..	1,302
(*f*) Exchange compensation allowances ..	4,189	4,647	5,227	14,063	13,954
Total, B-I ..	1,91,558	2,43,250	2,26,375	6,61,183	6,53,855
II. Travelling allowances—					
(*a*) Conservators	4,274	2,167	3,452	9,893	8,931
(*b*) Superior officers	17,787	17,127	15,802	50,716	53,644
(*c*) Subordinate forest and depot establishments.	18,020	24,458	23,025	65,503	63,296
(*d*) Office establishments	6,553	6,512	6,569	19,634	19,320
Total, B-II ..	46,634	50,264	48,848	1,45,746	1,45,191
III. Contingencies—					
(*a*) Stationery	..	..	..	..	..
(*b*) Rents, rates and taxes	1,487	770	737	2,994	2,816
(*c*) Official postage and service telegrams ..	6,832	9,143	5,942	21,917	20,732
(*d*) Sundries	10,635	11,052	8,613	30,300	33,201
Total, B-III ..	18,954	20,965	15,292	55,211	56,749
Total, B.—Establishments ..	2,57,146	3,14,479	2,90,515	8,62,140	8,55,795
Grand Total, Expenditure ..	4,70,254	5,91,099	6,76,837	17,38,190	16,88,196
Surplus ..	3,08,892	3,43,748	52,943	7,05,583	6,25,311
Deficit ..	..	..	..	..	..
Total ..	7,79,146	9,34,847	7,29,780	24,43,773	23,13,507

ANNUAL FORM No. 60.

Forest Department, Madras Presidency.

OUTSTANDINGS and Liabilities on account of Contractors and Disbursers for the Forest year 1900–1901.

	District.	Department Debtor.			Department Creditor.			Balance due	
		At commencement of year.	Recoveries in cash and value of supplies and work done during the year.	At close of year.	At commencement of year.	Payments made during year.	At close of year.	To department (outstandings).	By department (liabilities).
		RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.
Northern Circle.	Conservator, Northern Circle	..	11,834 11 6	11,834 11 6	981 13 2	10,972 1 4	11,953 14 6	119 3 0	..
	Forest Settlement-officer, Kistna, &c., districts.	..	743 3 4	743 3 4	38 8 5 (*a*)28 7 3	712 15 4	779 15 0	36 11 8	..
	Forest Working Plan Office	..	459 1 5	459 1 5	..	490 1 3	490 1 3	30 15 10	..
	Forest School, Dehra Dun	..	228 10 8	228 10 8	18 10 8	210 0 0	228 10 8	..	..
	Ganjám	..	32,863 13 5	32,863 13 5	1,305 3 8	32,132 1 2	33,437 4 10	573 7 5	..
	Vizagapatam	..	21,596 9 2	21,596 9 2	346 1 11	22,638 0 9	22,984 2 8	1,387 9 6	..
	Gódávari	..	68,248 6 6	68,248 6 6	1,956 13 6	67,851 12 6	69,808 10 0	1,560 3 6	..
	Kistna	..	61,193 2 7	61,193 2 7	875 7 8	61,440 1 4	62,315 9 0	1,122 6 5	..
	Kurnool	..	75,514 10 7	75,514 10 7	2,935 7 5	75,108 6 5	78,043 13 10	2,529 3 3	..
	Bellary	..	47,467 3 7	47,467 3 7	1,217 1 5	48,028 15 9	49,246 1 2	1,778 13 7	..
	Anantapur	..	21,497 13 1	21,497 13 1	1,092 7 1	21,198 1 7	22,285 8 8	787 11 7	..
	Total	..	3,41,647 5 10	3,41,647 5 10	10,796 2 2	3,40,777 9 5	3,51,573 11 7	9,926 5 9	..
Central Circle.	Conservator, Central Circle	..	1,572 4 8	1,572 4 8	402 15 11	1,201 2 4	1,604 2 3	31 13 7	..
	Forest Settlement-officer, Trichinopoly, &c., districts	..	2,013 1 6	2,013 1 6	8 0 0 (*b*)18 4 8	2,074 7 11	2,100 12 7	87 11 1	..
	Forest Working Plan Office	..	2,119 2 4	2,119 2 4	..	1,171 3 8	1,171 3 8	—947 14 8	..
	Forest School, Dehra Dun	..	70 0 0	70 0 0	..	70 0 0	70 0 0	..	..
	Nellore	..	71,289 0 6	71,289 0 6	4,645 10 7	68,537 10 10	73,183 5 5	1,894 4 11	..
	Cuddapah	..	53,686 7 2	53,686 7 2	525 14 6	55,095 1 3	55,620 15 9	1,934 8 7	..
	Chingleput	..	20,364 14 1	20,364 14 1	424 3 3	20,099 15 3	20,524 2 6	159 4 5	..
	North Arcot	..	76,102 3 10	76,102 3 10	1,753 5 4	77,024 12 6	78,778 1 10	2,675 14 0	..
	South do.	..	36,428 2 10	36,428 2 10	989 6 3	36,752 9 2	37,741 15 5	1,313 12 7	..
	Salem	..	99,633 12 1	99,633 12 1	3,988 5 2	99,095 5 6	1,03,083 10 8	3,449 14 7	..
	Trichinopoly	..	23,385 7 2	23,385 7 2	1,464 6 1	24,803 5 8	26,267 11 9	2,882 4 7	..
	Tanjore	..	8,198 14 9	8,198 14 9	12 7 6	8,745 10 0	8,758 1 6	559 2 9	..
	Total	..	3,94,863 6 11	3,94,863 6 11	14,232 15 3	3,94,671 4 1	4,08,904 3 4	14,040 12 5	..
Southern Circle.	Conservator, Southern Circle	..	6,907 9 1	6,907 9 1	78 5 3	6,847 10 7	6,925 15 10	18 6 9	..
	Forest Settlement-officer, Malabar, &c., districts.	..	235 10 0	235 10 0	12 1 1	235 13 10	247 14 11	12 4 11	..
	Forest Settlement-officer, Trichinopoly, &c., districts	..	1,867 10 0	1,867 10 0	8 0 0	1,922 8 2	1,930 8 2	62 14 2	..
	Forest Working Plan Office	..	5 0 0	5 0 0	..	41 0 0	41 0 0	36 0 0	..
	Forest School, Dehra Dun	..	78 5 4	78 5 4	78 5 4	..	78 5 4	..	..
	The Nilgiris	..	70,673 13 4	70,673 13 4	1,948 11 6	70,863 0 3	72,811 11 9	2,137 14 5	..
	North Coimbatore	..	75,996 13 7	75,996 13 7	4,000 2 2	73,834 8 5	77,834 10 7	1,837 13 0	..
	South do.	..	60,954 12 0	60,954 12 0	1,955 2 4	60,873 10 10	62,828 13 2	1,874 1 2	..
	Madura	..	38,228 5 2	38,228 5 2	1,825 0 9	37,082 10 4	38,907 11 1	679 5 11	..
	Tinnevelly	..	44,781 1 0	44,781 1 0	291 6 5	45,225 2 4	45,516 8 9	735 7 9	..
	North Malabar	..	54,747 8 3	54,747 8 3	1,583 10 5	55,550 12 10	57,134 7 3	2,386 15 0	..
	South do.	..	84,964 2 9	84,964 2 9	2,158 5 3	86,362 0 6	88,520 5 9	3,556 3 0	..
	South Canara	..	52,037 2 3	52,037 2 3	1,540 1 10	51,630 11 7	53,170 13 5	1,133 11 2	..
	Total	..	4,91,477 12 9	4,91,477 12 9	15,479 4 4	4,90,469 9 8	5,05,948 14 0	14,471 1 3	..

(*a*) Of Forest Settlement-officer, Nellore, &c., districts.

(*b*) Of Forest Settlement-officer, North Arcot, &c., districts.

MADRAS,
30th August 1901.

(Signed) J. O. B. POWER,
Chief Superintendent.

ANNUAL FORM No. 61.

Forest Department, Madras Presidency.

REVENUE received and Outstandings on account of Revenue during the Forest year 1900–1901

	District.	Particulars.	Outstandings at commencement of year.	Value of sales and other revenue during year.	Total.	Amount realized during year.	Balance due to the department at end of year.
			RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.
Northern Circle. (Mr. O. E. Brasier).	Direction	Timber and other forest produce ..	..	28 2 0	28 2 0	28 2 0	..
	Ganjám	Do. do.	..	53,630 12 8	53,630 12 8	53,630 12 8	..
	Vizagapatam ..	Do. do.	..	32,684 6 10	32,684 6 10	32,684 6 10	..
	Gódávari	Do. do.	927 0 0	2,01,334 10 8	2,02,261 10 8	1,97,555 5 11	4,706 4 9
	Kistna	Do. do.	3,426 9 0	1,37,039 13 8	1,40,466 6 8	1,32,962 8 9	7,503 13 11
	Kurnool	Do. do.	12,697 9 9	1,62,567 11 3	1,75,265 5 0	1,61,313 2 8	13,952 2 4
	Bellary	Do. do.	18,210 14 6	1,20,133 4 0	1,38,344 2 6	1,30,253 15 4 + *7,794 0 0	296 3 2
	Anantapur ..	Do. do.	29,467 15 10	76,491 4 7	1,05,959 4 5	71,172 12 1 + †5,674 0 0	29,112 8 4
		Total ..	64,730 1 1	7,83,910 1 8	8,48,640 2 9	7,79,601 2 3 + 13,468 0 0	55,571 0 6
Central Circle. (Mr. H. J. A. Porter).	Direction	Timber and other forest produce ..	..	..	..	..	..
	Nellore	Do. do.	13,016 3 7	1,35,354 14 8	1,48,371 2 3	1,43,926 0 0	4,445 2 3
	Cuddapah	Do. do.	12,955 8 10	1,19,262 4 3	1,32,217 13 1	1,23,432 0 0 (*a*) 10 5 4 (*b*) 40 0 0 (*c*) 1,345 0 0	1,661 15 9 ‡ 5,728 8 0
	Chingleput ..	Do. do.	8,267 11 8	40,597 9 8	48,865 5 4	40,969 0 0 (*d*) 3,454 5 8	1,266 12 0 § 3,175 3 8
	North Arcot ..	Do. do.	33,016 10 0	1,52,330 5 2	1,85,346 15 2	1,34,429 0 0 (*e*) 86 10 6 (*f*) 59 4 9	1,424 12 11 ‡ 49,347 3 0
	South Arcot ..	Do. do.	4,570 7 5	1,01,642 0 2	1,06,212 7 7	1,01,797 0 0 (*g*) 358 2 3 (*h*) 29 0 0	2,210 13 4 ‡ 1,817 8 0
	Salem	Do. do.	18,433 8 11	2,84,596 15 10	3,03,030 8 9	2,93,012 0 0	8,355 1 4 ‡ 1,663 7 5
	Trichinopoly ..	Do. do.	6,931 12 11	82,758 10 3	89,690 7 2	78,420 0 0 (*i*) 33 0 0 (*j*) 12 2 0	5,115 11 2 ‡ 6,109 10 0
	Tanjore	Do. do.	2,530 4 2	17,946 2 10	20,476 7 0	18,862 0 0	1,614 7 0
		Total ..	99,722 3 6	9,34,488 14 10	10,34,211 2 4	9,34,847 0 0 (*a* to *j*) + 5,427 14 6	‖ 93,936 3 10
Southern Circle. (Mr. H. A. Gass).	Direction	Timber and other forest produce ..	..	26 0 0	26 0 0	26 0 0	..
	South Canara ..	Do. do.	9,041 0 0	67,077 0 0	76,118 0 0	69,410 0 0	6,708 0 0
	North Malabar ..	Do. do.	23,517 0 0 (*k*) — 525 0 0	15,453 0 0	38,445 0 0	31,996 0 0 + (*l*) 45 0 0	6,404 0 0
	South do. ..	Do. do.	6,255 0 0	2,39,260 0 0	2,45,515 0 0	2,21,625 0 0	23,890 0 0
	The Nilgiris ..	Do. do.	1,202 0 0	40,341 0 0	41,543 0 0	40,513 0 0	1,030 0 0
	North Coimbatore.	Do. do.	668 0 0	1,38,981 0 0	1,39,649 0 0	1,31,365 0 0	8,284 0 0
	South do. ..	Do. do.	1,930 0 0	62,513 0 0	64,443 0 0	63,303 0 0	1,140 0 0
	Madura	Do. do.	15,366 0 0 (*m*) — 235 0 0	90,288 0 0	1,05,419 0 0	97,540 0 0	7,879 0 0
	Tinnevelly ..	Do. do.	13,226 0 0 (*n*) — 86 0 0	61,962 0 0	75,102 0 0	74,002 0 0	1,100 0 0
		Total ..	71,205 0 0 — 846 0 0	7,15,901 0 0	7,86,260 0 0	7,29,780 0 0 + 45 0 0	56,435 0 0

REMARKS.—Accountant-General's monthly summary statements give Rs. 7,79,601-2-3. Annual form No. 59 furnished by the Accountant-General show Rs. 7,79,146.

* Written off under Government Order, No. 841, Revenue, dated 18th August 1900.

† Do. do. ,, 433, ,, ,, 8th May 1900.

‡ Lease or contract amounts to be collected after 30th June 1901.

§ The Board has approved the inclusion of this amount in the statement of irrecoverable arrears to be submitted to Government.

‖ Although Rs. 93,936-3-10 is shown as balance due, only Rs. 26,094-11-9 were actually due on 30th June 1901.

(*a*), (*b*), (*c*) and (*f*) Written off under Government Order, No. 433, Revenue, dated 8th May 1900, in Board's Proceedings, No. 99, Land Revenue, dated 31st May 1900.

(*d*) and (*h*) Written off under Government Order, No. 435, Revenue, dated 30th May 1901, in Board's Proceedings, No. 150, Land Revenue, dated 3rd July 1901.

(*e*) Written off under Government Order, No. 163, Revenue, dated 26th February 1900, in Board's Proceedings, No. 40, Land Revenue, dated 9th March 1900.

(*g*) and (*j*) Written off under Government Order, No. 1152, Revenue, dated 17th November 1900, in Board's Proceedings, No. 258, Land Revenue, dated 7th December 1900

(*i*) Written off under Government Order, No. 841, Revenue, dated 18th August 1900, in Board's Proceedings, No. 183, Land Revenue, dated 17th September 1900.

(*k*) Rupees 525 deducted from the outstanding at the commencement of the year as the contract for which it was due was cancelled.

(*l*) Written off the accounts under Government Order, No. 1152, Revenue, dated 17th November 1900.

(*m*) Deducted on account of the following :—

	RS. A. P.
(1) Transfer of lease to another party	12 0 0
(2) Cancellation of leases	115 0 0
(3) Error in the demand fixed originally	108 0 0
Total ..	235 0 0

(*n*) Lease cancelled for want of produce for removal.

Annual Form No. 62.

Forest Department, Madras Presidency.

Financial Results of the year 1900-1901.

Districts.	Timber and other produce removed from the forests by Government Agency.		Other revenue.		Formation, protection and improvement of forests.	Total.	
	Receipts.	Charges.	Receipts.	Charges.	Charges.	Receipts.	Charges.
Northern Circle.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Ganjám	9,657	5,597	44,193	22,613	20,725	53,850	48,935
Vizagapatam	4,220	2,572	31,464	18,401	15,410	32,684	36,383
Gódávari	6,348	2,241	1,91,205	50,001	27,711	1,97,553	79,953
Kistna	97	1,379	1,31,854	34,144	38,789	1,31,951	74,312
Kurnool	27,467	13,345	1,34,186	54,564	57,156	1,61,653	1,25,065
Bellary	16,536	14,270	1,13,718	26,511	26,500	1,30,254	67,281
Anantapur	..	..	71,172	22,420	15,905	71,172	38,325
Total ..	61,325	39,404	7,17,792	2,28,654	2,02,196	* 7,79,146	4,70,254
Central Circle.							
Cuddapah	8,172	5,741	1,15,260	42,573	53,064	1,23,432	1,01,378
Nellore	32,908	30,772	1,11,018	31,995	28,837	1,43,926	91,604
Chingleput	3,263	1,507	37,706	19,033	14,330	40,969	34,870
North Arcot	7,673	6,880	1,26,756	31,215	50,275	1,34,429	88,370
South do.	1,462	3,410	1,00,335	23,428	28,713	1,01,797	55,551
Salem	1,22,157	91,082	1,70,855	40,763	39,187	2,93,012	1,71,032
Trichinopoly	9,306	5,912	69,114	17,920	16,374	78,420	40,206
Tanjore	4	537	18,858	4,773	2,778	18,862	8,088
Total ..	1,84,945	1,45,841	7,49,902	2,11,700	2,33,558	9,34,847	5,91,099
Southern Circle.							
South Canara	37,154	46,877	32,256	10,647	26,040	69,410	83,564
North Malabar	14,258	60,783	17,738	1,123	15,894	31,996	77,800
South do.	1,92,745	1,06,803	28,880	417	21,772	2,21,625	1,28,992
The Nilgiris	21,093	59,446	19,420	3,965	30,798	40,513	94,209
North Coimbatore ..	60,697	38,543	70,668	6,746	45,263	1,31,365	90,552
South do. ..	13,392	59,259	49,911	10,257	27,131	63,303	96,647
Madura	37	1,829	97,503	10,196	39,378	97,540	51,403
Tinnevelly	6,265	12,308	67,737	4,145	37,217	74,002	53,670
Total ..	3,45,641	3,85,848	3,84,113	47,496	2,43,493	† 7,29,780	6,76,837
Grand Total ..	5,91,911	5,71,093	18,51,807	4,87,850	6,79,247	24,43,773	17,38,19

* Includes Rs. 29 realized under V (*b*) "Direction."

† Includes Rs. 26 realized under V (*b*) "Direction."

ANNUAL FORM,

Forest Department,

ABSTRACT showing the Value of Live-stock

Districts.	Surveying, &c., instruments				Tools			
	On hand at commencement of the year.		On hand at end of the year.		On hand at commencement of the year.		On hand at end of the year.	
	Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.
1	2	3	4	5	6	7	8	9
Northern Circle.		RS.		RS.		RS.		RS.
Direction	39	700	45	750	11	15	11	10
Ganjám	40	465	49	623	337	185	311	237
Vizagapatam	40	695	36	1,034	364	557	225	123
Gódávari	116	782	117	782	1,058	2,598	1,070	2,419
Kistna	82	815	76	761	552	324	479	338
Kurnool	82	790	82	769	803	694	839	637
Bellary	143	277	155	309	548	523	294	387
Anantapur	71	210	71	210	493	761	573	1,043
Total, Northern Circle ..	613	4,734	631	5,238	4,171	5,657	3,802	5,194
Central Circle.								
Direction	46	706	46	858	6	14	6	13
Cuddapah	129	1,066	87	1,029	560	1,539	443	1,112
Nellore	67	300	110	877	456	228	992	320
Chingleput	39	370	39	369	415	478	417	421
North Arcot	129	829	186	748	1,184 cwt. 33	907	1,420	1,539
South do.	111	1,213	106	1,100	347	2	263	11
Salem	141	1,538	158	1,627	2,076	2,089	2,379	2,231
Trichinopoly	53	469	42	147	1,028	472	166	74
Tanjore	20	81	20	75	70	43	71	37
Total, Central Circle ..	735	6,572	794	6,830	6,142 cwt. 33	5,772	6,157	5,758
Southern Circle.								
Direction	42	462	57	1,235	3	45	3	45
South Canara	130	829	119	879	548	630	481	621
North Malabar	26	963	26	963	533	1,233	535	1,348
South do.	35	788	34	539	784	544	778	422
The Nilgiris	95	1,061	119	1,070	577	1,499	649	1,634
North Coimbatore	63	823	73	771	554	549	556	478
South do.	98	1,401	80	798	657	877	1,782	2,554
Madura	108	2,053	112	2,190	265	336	266	337
Tinnevelly	96	1,596	130	712	544	1,167	539	146
Total, Southern Circle ..	693	9,976	750	9,157	4,465	6,880	5,589	7,585
Total, Presidency ..	2,041	21,282	2,175	21,225	14,778 cwt. 33	18,309	15,548	18,537

* Figures not furnished by the Collector.

No. 64.

Madras Presidency.

Stores, Tools and Plant for 1900–1901.

Machinery				Furniture				Building materials, small stores, tents, boats, &c.			
On hand at commencement of the year.		On hand at end of the year.		On hand at commencement of the year.		On hand at end of the year.		On hand at commencement of the year.		On hand at end of the year.	
Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.
10	11	12	13	14	15	16	17	18	19	20	21
	Rs.		Rs.		Rs.		Rs.		Rs.		Rs.
..	..	..	..	91	570	114	690	15	1,280	16	1,140
..	..	..	..	173	1,859	176	2,106	..	..	..	..
..	..	..	..	159	811	* 159	811	8	575	* 8	575
1	102	..	..	518	2,651	527	2,861	23	4,021	29	5,547
..	..	..	..	154	580	165	588	15	3,215	11	3,653
..	..	..	..	139	490	151	516	7	1,580	7	1,515
..	..	..	..	81	497	82	458	10	1,240	12	1,375
..	..	..	..	127	730	128	733	10	1,465	10	1,465
1	102	..	..	1,442	8,188	1,502	8,763	88	13,376	93	15,270
..	..	..	..	126	733	131	692	8	716	8	644
..	..	1	28	132	1,091	153	716	..	..	25	2,101
$2\frac{3}{4}$ mls. 67	21,587	$13\frac{1}{4}$ mls. 57	18,313	88	281	136	606	10	3,261	10	3,321
..	..	..	..	161	819	169	909	4	..	4	..
12	54	17	52	536	1,728	752	2,288	18	2,190	21	2,247
9	210	5	148	1,156	1,163	1,182	1,081	9	1,128	17	2,334
2	21	2	21	457	2,035	507	2,057	..	..	..	..
..	..	..	..	139	748	155	861	4	618	4	618
..	..	..	..	50	364	53	361	..	..	..	..
90 $2\frac{3}{4}$ mls.	21,872	82 $13\frac{1}{4}$ mls.	18,562	2,845	8,967	3,238	9,571	53	7,913	89	11,265
..	..	..	..	111	805	105	843	6	733	6	697
..	..	..	..	186	1,389	191	1,460	10	1,227	12	1,504
..	..	..	..	140	944	141	986	4	702	4	702
29	142	27	97	108	779	134	833	4	302	4	266
1	200	1	200	153	1,266	154	1,265	8	896	8	896
..	..	..	..	194	584	218	535	89	1,131	94	996
5,697 7,980 ft. 1 lb.	12,892	326 7,965 ft.	11,875	699	2,531	423	1,980	13	1,525	13	1,449
4	13	4	13	243	1,926	252	1,979	625	1,152	617	1,430
17	281	17	52	538	2,386	548	706	6	682	7	156
5,748 7,980 ft. 1 lb.	13,528	375 7,965 ft.	12,237	2,372	12,610	2,166	10,587	765	8,350	765	8,096
5,839 $2\frac{3}{4}$ mls. 7,980 ft. 1 lb.	35,502	457 7,965 ft. $13\frac{1}{4}$ mls.	30,799	6,659	29,765	6,906	28,921	906	29,639	947	34,631

Hence the previous year's figures are repeated.

Abstract showing the Value of Live-stock,

Districts.	Buildings.				Live-stock.			
	On hand at commencement of the year.		On hand at end of the year.		On hand at commencement of the year.		On hand at end of the year.	
	Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.
	22	23	24	25	26	27	28	29
Northern Circle.		Rs.		Rs.		Rs.		Rs.
Direction	..	..	..	..	..	..	..	..
Ganjám	33	16,029	39	16,969	..	..	..	..
Vizagapatam	42	5,727	* 42	5,727	1	..	* 1	..
Gódávari	85	32,619	91	33,030	2	..	1	..
Kistna	66	11,482	71	12,391	..	..	..	..
Kurnool	62	35,440	62	37,840	1	1,600	2	2,600
Bellary	25	5,195	26	4,562	..	..	..	..
Anantapur	19	16,619	18	16,619	..	..	..	..
Total, Northern Circle	332	1,23,111	349	1,27,138	4	1,600	4	2,600
Central Circle.								
Direction	..	..	..	..	..	..	..	..
Cuddapah	120	21,613	121	21,247	2	56	2	56
Nellore	10	4,610	8	4,544	3	105	..	..
Chingleput	20	5,524	18	6,070	..	..	..	..
North Arcot	55	13,267	68	8,473	..	..	..	..
South do.	18	17,474	19	16,847	..	..	..	..
Salem	29	18,225	30	19,627	..	..	..	..
Trichinopoly	8	3,070	6	3,797	..	..	..	..
Tanjore	7	612	7	566	..	..	..	..
Total, Central Circle	267	84,395	277	81,171	5	161	2	56
Southern Circle.								
Direction	..	..	..	..	..	..	..	..
South Canara	16	9,560	17	9,700	2	..	3	5,000
North Malabar	..	..	..	..	32	44,950	20	34,750
South do.	32	37,626	29	37,035	20	35,500	15	25,312
The Nilgiris	69	11,651	75	12,701	4	3,300	4	3,600
North Coimbatore	65	26,354	65	23,561	..	..	..	..
South do.	56	28,916	69	36,735	9	11,000	28	6,500
Madura	54	26,361	54	28,148	..	..	..	..
Tinnevelly	70	29,091	63	25,930	..	..	..	..
Total, Southern Circle	362	1,69,559	372	1,73,810	67	94,750	70	75,162
Total, Presidency	961	3,77,065	998	3,82,119	76	96,511	76	77,818

* Figures not furnished by the Collector.

Stores, Tools and Plant for 1900-1901—*cont.*

Miscellaneous.				Total.					
On hand at commencement of the year.		On hand at end of the year.		On hand at commencement of the year.		On hand at end of the year.		Difference in value.	
Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.	In favour of the year.	Against the year.
30	31	32	33	34	35	36	37	38	39
	Rs.		Rs.		Rs.		Rs.	Rs.	Rs.
1	100	1	100	157	2,665	187	2,690	25	..
..	..	..	..	583	18,538	575	19,935	1,397	..
68	106	92	549	682	8,471	563	8,819	348	..
565	798	552	792	2,368	43,571	2,387	45,431	1,860	..
..	..	..	..	869	16,416	802	17,731	1,315	..
39	465	39	453	1,138	41,059	1,182	44,330	3,271	..
46	151	46	130	853	7,883	615	7,221	..	662
..	..	..	..	720	19,785	890	20,070	285	..
719	1,620	730	2,024	7,370	1,58,388	7,111	1,66,227	7,839	..
39	593	91	603	225	2,762	282	2,810	48	..
..	..	168	251	943	25,365	1,000	26,540	1,175	..
216	376	275	509	917 2¾ mls.	30,748	1,588 13¼ mls.	28,490	..	2,258
121	170	129	278	760	7,361	776	8,047	686	..
..	..	..	..	1,934 cwt. 33	18,975	2,464	15,347	..	3,628
660	884	1,213	994	2,310	22,079	2,805	22,515	436	..
38	2,153	40	2,168	2,743	26,061	3,116	27,731	1,670	..
2,306	891	2,121	734	3,538	6,268	2,494	6,231	..	37
42	100	44	660	189	1,200	195	1,699	499	..
3,422	5,167	4,081	6,197	13,559 cwt. 33 2¾ mls.	1,40,819	14,720 13¼ mls.	1,39,410	..	1,409
513	531	582	577	675	2,576	753	3,397	821	..
601	1,162	561	880	1,493	14,797	1,384	20,044	5,247	..
..	..	..	..	735	48,792	726	38,749	..	10,043
268	1,135	299	1,352	1,280	76,816	1,320	65,856	..	10,960
38	217	35	167	945	20,090	1,045	21,533	1,443	..
122	166	127	285	1,087	29,607	1,133	26,626	..	2,981
617	944	130	729	7,846 7,980 ft. 1 lb.	60,086	2,851 7,965 ft.	62,620	2,534	..
931	575	953	588	2,220	32,416	2,258	34,685	2,269	..
..	..	..	..	1,271	35,203	1,304	27,702	..	7,501
3,090	4,730	2,687	4,578	17,562 7,980 ft. 1 lb.	320,383	12,774 7,965 ft.	3,01,212	..	19,171
7,231	11,517	7,498	12,799	38,491 cwt. 33 2¾ mls. 7,980 ft. 1 lb.	6,19,590	34,605 7,965 ft. 13¼ mls.	6,06,849	..	12,741

Hence the previous year's figures are repeated.

ANNUAL FORM No. 63.

Forest Department, Madras Presidency.

STATEMENT of Elephants during the year 1900–1901.

District.	Names.	When purchased or otherwise obtained by Government.	Cost of monthly keep, including servants and food.	
1	2	3	4	

PART I.

Elephants in possession of the Reporting Officers throughout the year.

				RS. A. P.
Vizagapatam ..	Ethel	Transferred from Southern Circle on 3rd December 1897.	Per head ..	75 0 0
Godávari ..	Surat Pari	Purchased in November 1894 in Sonepur fair.	Do. ..	59 14 6
Kurnool	Byragi Piari	Do. do.	Do. ..	58 15 5
South Canara ..	1. Mohideen Khan ..	Transferred from North Malabar on 3rd September 1897.	Do. ..	41 2 0
	2. Padmini			41 3 2
North Malabar ..	1. Phyllis	Purchased in January 1878	Do. ..	79 14 8
	2. Peri	Captured on April 1889	Do. ..	68 12 0
	3. Kalyani	Purchased in October 1889	Do. ..	73 3 3
	4. Lallameah	Captured on March 1891	Do. ..	73 10 8
	5. Krishna	Do. on March 1896	Do. ..	68 5 0
	6. Pyramus ..	Do. on April 1897	Do. ..	71 10 10
	7. Chákravarthini ..	Do. on March 1898	Do. ..	74 10 10
	8. Emily	Do. on June 1899	Do. ..	48 3 10
	9. Sinhjee	Do. on February 1900	Do. ..	73 5 0
	10. Nadir Shah	Do. on March 1900	Do. ..	51 3 3
	11. Shah Jahan	Do. do.	Do. ..	53 5 8
	12. Bakto	Do. on April 1900	Do. ..	76 9 8
	13. Abdul Rahiman ..	Do. do.	Do. ..	62 13 9
	14. Scindia	Do. do.	Do. ..	58 0 0
	15. Meenatchi	Transferred in July 1899 from the Nilgiris.	Do. ..	76 1 7
	16. Zelica	Captured on February 1898	Do. ..	29 4 9
	17. Isabella	Do.	Do. ..	29 4 9
	18. Seetha	Transferred in 1899	Do. ..	29 4 9
	19. Paddy	Born in August 1899	Do. ..	10 5 8
South Malabar ..	1. Vixen	Transferred from Wynaad in 1882 ..	Do. ..	49 12 5
	2. Peyru			
	3. Samson	Purchased from Mr. Morgan in 1885 ..		
	4. Eva	Purchased from Mr. Morgan in 1885 ..	Do. ..	49 3 11
	5. Theebow	Captured on 3rd January 1886 ..		
	6. Juno	Do. on 17th February 1886 ..		
	7. Jupiter	Do. on 9th January 1887		
	8. Maharajah	Transferred from Wynaad on 29th September 1888.	Do. ..	54 15 2
	9. Gordon	Captured on 11th February 1889 ..		
	10. Loo	Do. on 21st April 1890	Do. ..	48 7 2
	11. Hercules	Do. on 24th December 1890 ..		
	12. Tippu	Do. on 25th February 1893 ..		
	13. Nurmahal	Transferred from North Malabar on 5th November 1898.	Do. ..	Not stated.
	14. Kunhi Raman ..	Captured on 15th February 1900 ..		
The Nilgiris ..	1. Big Lakshmi ..	Transferred from the Anamalais on the 30th January 1882	Do. ..	52 12 5
	2. Chinna Lakshmi ..			
	3. N. Latchmi	Purchased in September 1894		
	4. Bissie	Born on 30th July 1899		
South Coimbatore.	1. Periya Rani	Transferred from South Malabar on May 1889.		
	2. Chinna Rani	Do. do. 9th August 1891.		
	3. Karthiyayini	Do. do. on August 1888.	Do. ..	44 4 4
	4. Akbar Baksh	Transferred from the Nilgiris on 25th July 1899.		
	5. Zehara			
	6. Dora	Transferred from South Malabar on 25th December 1896.		
	7. Bagavati			

Statement of Elephants during the year 1900-1901—*cont.*

District.	Names.	When purchased or otherwise obtained by Government.	Cost of keep, including servants and food.			How disposed of.
				Rs.	A.	P.	
1	2	3	4			5
PART II.						
Elephants received in the year.						
Kurnool ..	Captain Gunning ..	Purchased in July 1888 and transferred from Gódávari in November 1900.	Per head.	53	0	0	....
South Canara.	1. Lala Rukh ..	Transferred from North Malabar on 10th September 1900.	Do.	25	3	5	....
	2. Chamundi ..			26	8	5	....
	3. Krishna	Transferred from North Malabar on 24th November 1900.	Do.	35	5	4	....
	4. Peri			39	9	10	....
The Nilgiris.	1. Isafella	Transferred from North Malabar in July and September 1900.	Do.	46	12	9	....
	2. Seetha						
	3. Celica						
	4. Paddye						
South Coimbatore.	Parvathi	Received back from Public Works Department on 3rd April 1901.	Do.	9	13	3	....
	Kunjunni			7	1	4	....
PART III.							
Elephants gone off the list during the year.							
Gódávari ..	Captain Gunning ..	Purchased in July 1888 and transferred from "Direction" North Coimbatore on 15th November 1897.	Per head.	50	15	6	Transferred to Kurnool on 9th November 1900.
South Canara.	1. Lala Ruk ..	Transferred from North Malabar on 10th September 1900.	Do.	25	3	5	Died on 7th October 1900.
	2. Krishna	Transferred from North Malabar on 24th November 1900.	Do.	35	5	4	Transferred to North Malabar on 4th May 1901.
	3. Peri			39	9	10	
North Malabar.	Begum Jihan ..	Born in January 1899 ..	Do.	121	9	0	Sold.
	Tippu Sultan ..	Captured in February 1899 .	Do.	222	9	5	Do.
	Ranjit Singh ..	Do. in January 1900 ..	Do.	232	10	9	Do.
	Lalla Lookh ..	Do. in February 1900 .	Do.	198	13	0	Transferred to South Canara.
	Chamundi	Do. do. ,,	Do.	215	6	10	
	Akbar	Do. in March 1900 ..	Do.	248	6	11	Died.
	Aurangazeb ..	Do. do. ,, ..	Do.	241	8	0	Sold.
	Rukmani	Do. do. ,, ..	Do.	233	5	0	Do.
	Chamraj	Do. do. ,, ..	Do.	237	1	3	Do.
	Zehangir	Do. in April ,, ..	Do.	245	14	8	Do.
	Parvathi, II ..	Do. do. ,, ..	Do.	171	10	9	Do.
	Petrab Singh ..	Do. do. ,, ..	Do.	234	13	6	Do.
	Nurjehan	Do. do. ,, ..	Do.	283	3	0	Do.
South Malabar.	1. Devaki	Captured on 16th January 1899.	Do.	19	6	9	Died on 9th July 1900.
	2. Abdulla	Captured on 4th October 1891 and transferred from South Coimbatore on 18th June 1896.	Do.	358	4	10	Sold on 9th March 1901.
	3. Nora	Captured on 18th February 1899.	Do.	155	14	1	Sold in auction in October 1900.
	4. May	Captured on 23rd November 1894.	Do.	404	0	3	Died on 17th April 1901.
	5. Eddie	Captured on 10th February 1900.	Do.	387	7	1	Do. on 24th May ,,
	6. Janaki	Captured on 8th February 1899.	Do.	437	5	1	Do. on 27th ,, ,,
South Coimbatore.	Ranger	Captured on 23rd July 1893 .	Do.	229	8	8	Died on 23rd December 1900.
	Jumbo, II	Captured on 25th September 1892.	Do.	266	15	8	Died on 25th January 1901.

GOVERNMENT OF MADRAS.

REVENUE DEPARTMENT.

READ—the following Proceedings of the Board of Revenue (Land Revenue), Forest No. 346, dated 14th November 1901 :—

The Hon'ble Mr. A. W. B. HIGGENS, I.C.S.

Resolution—Forest No. 346, dated 14th November 1901.

The Board submits to Government the progress report of Forest Administration in the Madras Presidency for the year ending 30th June 1901.

2. In accordance with the last clause of section 258 of the Forest Code, the report was drawn up by Mr. H. A. Gass, the senior Conservator of Forests now on duty.

3. The Board regrets to have to note again that the annual returns from several districts were not received in time and were in some cases incomplete.

4. The Conservators and most of the District Forest-officers have, as is usual, worked loyally and with zeal. Mr. Gass had hard and trying work in connection with the sleeper contract. Mr. Peet's long connection with the Forest Department terminated with the forest year. Practical effect has been given to Mr. Ribbentrop's suggestions by the appointment of three special officers to prepare working-plans for the more important forests, while several District Forest-officers have been doing similar work in other localities.

(True Extract.)

(Signed) LIONEL DAVIDSON,
Secretary.

To the Secretary to Government, Revenue Department,
with three copies of the report.

ORDER—No. 239, Revenue, dated 6th March 1902.

Forest No. 43.

The report on the administration of the Madras Forest Department during the year 1900–1901 has been compiled by Mr. Gass, the senior Conservator on duty. As usual, the operations of the department have been recorded with great care and in considerable detail.

EXTENSION AND CONSTITUTION OF STATE FORESTS.

2. *Forest Settlement.*—The total area under the direct control of the department at the end of the year was 19,541 square miles, of which 16,589 square miles had been finally constituted reserved forests and 1,873 square miles were under settlement. Of the remaining 1,079 square miles, some 200 square miles in South Malabar, Bellary and the Nilgiris consist of leased forests, and it is doubtful whether any very large proportion of the remainder will be ultimately constituted reserved forest. Thus, allowing for the further selection of some 175 square miles, as estimated in paragraph 11 of the report, there were in all at the beginning of the current year not more than 3,000 square miles for final settlement. It is anticipated that the work will be completed by two special settlement officers within a period of three years from the 1st April 1902.

The cost of settlement including that of preliminary survey and demarcation up to the end of 1901 works out to an average rate all over the Presidency of Rs. 56 per square mile. Bearing in mind the general accuracy of the work and the minute care with which claims are investigated by the Settlement officers, His Excellency the Governor in Council considers that the rate must be regarded as moderate.

3. *Demarcation and Survey.*—The following abstract shows that in respect both of permanent demarcation and the re-clearing of lines there was a satisfactory improvement on the work of the previous year :—

	Permanent demarcation.			Reclearing of old lines, &c.		
	1898-99.	1899-1900.	1900-1901.	1898-99.	1899-1900.	1900-1901.
	MLS.	MLS.	MLS.	MLS.	MLS.	MLS.
Northern Circle	678	731	988	* 1,697	* 931	1,313
Central ,, ...	637	691	624	* 2,875	* 3,327	* 4,555
Southern ,, ...	258	437	356	409	* 876	609
Total ..	1,573	1,859	1,968	* 4,981	* 5,134	* 6,477
	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.
Average cost per mile	11 11 0	11 14 9	11 4 4	7 1 5	12 15 11	2 6 9

* Includes clearings by the Forest Department free of cost.

As regards the operations of the Survey of India parties, the remarks in paragraph 16 of the report suggest that much administrative inconvenience results from delay in the supply of maps. The Board is requested to report on the matter separately to enable the Government, if necessary, to address the Surveyor-General on the subject.

Management of State Forests.

4. *Working plans and annual plans of operations.*—The progress made in the preparation of working plans was satisfactory. Besides the plans drawn up by the special working-plans officers, a good deal in the direction of bringing the forests under systematic working appears to have been done by the district establishments. Save in instances where want of demand caused disappointment, the plans seem generally to have been suitable. At the end of the year working plans for 3,833 square miles were either sanctioned or under preparation.

There appears to have been a general failure to work up to the annual plans of operations. Deviations are of course occasionally inevitable as where cultural operations have to be postponed on account of the drought: but paragraph 20 of the report contains several instances of works having been planned and then abandoned as not urgently required. A more careful scrutiny by the Conservators and the Board of proposed plans of operations seems required.

5. *Forest Offences.*—The subjoined abstract compares the figures for the past three years :—

Years.	Number of cases for disposal.			Number of cases disposed of.				Number of acquittals.	Percentage of cases compounded to cases disposed of.	Percentage of acquittals to cases dealt with by the Magistracy.
	Cases pending.	New cases.	Total.	Withdrawn.	Compounded.	Dealt with by the Magistracy.	Total.			
1898-99	2,200	18,295	20,495	2,364	10,070	5,697	18,131	754	55·5	13·2
1899-1900	2,360	20,450	22,810	2,956	11,654	5,295	19,905	670	58·5	12·7
1900-1901	* 3,125	22,130	25,255	2,839	12,404	6,324	21,567	648	57·5	10·2

* *Vide* explanation in Form No. 50 for variations in pending cases at the beginning of the year.

The number of cases reported has steadily increased, and in the year under review there was a marked rise in the number of cases taken before the magistrate. The fall in the number of withdrawals and acquittals is satisfactory as indicating that fewer doubtful cases were reported or prosecuted. The Government of India has remarked on the comparatively large number of forest offences reported in Madras. It is difficult rightly to estimate the causes of the difference without a fuller knowledge of the conditions of other provinces than this Government possesses. In Madras, the frequency of forest offences is largely due to the nature of the reserves. There is comparatively little high forest, but there are many blocks of scrub-jungle and grass which lie interspersed amongst occupied villages. The conservation and improvement of these areas with the object of providing pasture, small timber, fuel and leaves for manure or litter, is of the greatest importance to the welfare of the surrounding villages. Forest establishments have however been till recent years numerically weak and in the past numerous offences have gone undetected and unreported. Now that the protective staff has been considerably strengthened, more attention is paid to preventing and punishing offences while, at the same time, the people are slow to accommodate themselves to restrictions which are necessary in their own interest. It must also be remembered that recent successive bad seasons have greatly increased the temptation to obtain fodder and fuel illicitly from the Government forests.

The Government agrees with the Board that improvement can be expected only gradually as the people begin to appreciate the objects of the forest laws and to realise that illicit practices will not pass unnoticed. It is no doubt also true that the areas under charge of the different grades of officers are still too large and in consequence the prevention of offences is not as effective as it should be.

6. *Fire protection.*—Protection was attempted over 5,218 square miles, a slightly larger area than in the previous year. Although complete information has not been furnished, it would appear that some 2,000 square miles more are sufficiently protected by nature. Thus the area liable to fire, over which no attempt at protection is made is somewhat over 12,000 square miles. The Board is requested to report what action has been taken on the instructions issued in the review of the previous year's report, that the question of fire protection in case of some of the more important unprotected reserves should be examined in advance of the preparation of working plans. The Government recognises that such measures may prove of little avail without an adequate staff, but the damage done to the deciduous forests in the Southern Circle indicates that proposals for extending measures of fire protection should not be indefinitely postponed. Any additional establishment required should be applied for with the necessary explanations.

Protection, where attempted, was more successful in the year under review than in the previous year; only 2·6 per cent. of the protected area having been burnt, while 5·5 per cent. of the protected area suffered in the previous year. Ill-success continued in Kurnool owing to the Chenchus. The experiment is being tried of permitting this wild tribe to dispose of certain minor produce on their own account on condition that they keep out fires from the forests, and it is hoped that the concession will prove effectual. In North Malabar it is satisfactory to note that the stricter measures taken aided however by early rains and by the absence of high winds proved highly successful.

7. *Regulation of grazing.*—Including animals grazed free, 3,146,010 animals of all kinds were admitted into the reserves during the year. It is satisfactory to see that a much larger number of sheep and goats were admitted under licenses than in the previous year, while at the same time the number of these animals impounded for grazing without permits was considerably less. Goats continued to give a good deal of trouble; the number of goats impounded for browsing in areas closed against the goat was 108,516, more than half as many again as in the previous year. Steps have recently been taken by the Board to deal on definite principles with the question of goat browsing in the reserves. It has been recognised that unrestricted goat browsing is fatal to effective forest conservancy. Where, therefore, a considerable area of unreserved lands exists outside the reserves, goat browsing will be strictly prohibited in the Government forests. Elsewhere it will be allowed in the reserves on payment

of enhanced fees and within strict limits as to the number of goats admitted to each acre of forests. Definite proposals on these lines have been framed and approved for the Central Circle where alone the question is a burning one. The results will be of interest and should be fully noticed in future reports.

8. *Natural and Artificial reproduction—Cultural operations and experiments.*—The reports received from the Southern Circle of the disastrous effects of fire on reproduction emphasize the remarks made in paragraph 6 above as to the need for further measures of fire protection in the dry forests of this circle. The attempts made to plant up *kumeri* areas in South Canara and to work the Burma *toungya* system in Malabar appear to have met with but indifferent success. More attention on the part of the Divisional-officers is required and should be accorded to this matter. As regards the numerous scattered and not always well-regulated operations described under the head of *experiments* the Government fully agrees with the remarks made on page 49 of the report that these operations should be conducted more systematically by confining them to promising localities and making them generally on a larger scale under the supervision of selected officers.

9. *Exploitation of Major and Minor Forest Produce.*—The chief feature of the year's working was the extraction of large timber from the South Canara, Malabar, Nilgiris and South Coimbatore forests for conversion into railway sleepers. A summary of the results of these operations is given in Mr. Gass's note printed as Appendix I to the report. The undertaking was admittedly an experiment and viewed in this aspect cannot be considered wholly unsatisfactory. The experience gained by the department should prove of great benefit; but, for the present, the Government has decided that the department should confine itself to supplying timber to professional contractors and should not attempt to open negotiations or do business with railway companies directly. It is quite clear from various remarks in the report that much important work in some of the districts was neglected owing to the time of the officers concerned being occupied with the supply of sleepers.

A satisfactory feature in the exploitation of minor produce is the continued increase in the receipts from grazing which has to be ascribed to the care taken to make suitable arrangements to meet local wants in this respect.

Gross yield and outturn of Forest Produce.

10. The total yield of the forests was greater than in the previous year under all heads except that of minor produce. The decrease under the latter occurred in respect of *removals by purchasers*: and, being guaged by the amount of revenue credited in the accounts, it appears from the explanations rendered on page 61 of the report to have been but nominal. Departmental sales under the two most important heads of *timber* and *fuel* were in excess of the amounts collected. In the case of *timber* this was largely due to the sales of sleepers fashioned out of the timber felled for the purpose in the previous year. In the case of *fuel*, operations were in many instances restricted on account of the large accumulated stock on hand. Under *removals by purchasers* it is noticed that although the number of bamboos purchased exceeded by two millions those removed in the year before, the value realized fell by nearly Rs. 30,000. The reason of this is not clearly explained in the report.

Financial Results.

11. The revenue of the year was Rs. 1·30 lakhs in excess of that of the previous year, while the expenditure rose by Rs. ·50 lakh only. The increased receipts were mainly due to the exploitation of the forests of the Southern Circle for the supply of railway sleepers. The increase under *charges* occurred mainly under *Conservancy and Works* and was due to the same cause: the slight increase under *Establishments* was due chiefly to the scheme for strengthening office establishments which was introduced with effect from 1st April 1901.

12. The outstanding balance at the beginning of the year was Rs. 2,34,811; adding thereto the value of the sales and other revenue of the year the total amount for collection was Rs. 26,69,111. Of this, Rs. 24,44,228 was collected, Rs. 18,941 was

written off, and there remained a balance at the end of the year of Rs. 2,05,942, a certain portion of which consisted of lease amounts not falling due till after the close of the year.

The surplus of the year, Rs. 7,05,583, is the largest yet realised.

General.

13. *Form of the Report.*—The Government recognises the care which Mr. Gass has bestowed on the preparation of the report, but desires to indicate certain respects in which some curtailment and modification would be an improvement.

(1) Pages 2 to 9 deal with the progress of forest settlement and work of the Forest Settlement-officers. This subject is reviewed quarterly by the Board of Revenue and a shorter notice in the annual report would suffice. Abstract statement C might be omitted.

(2) It is unnecessary to describe in detail the demarcation work done in each district as on pages 12 and 13 of the report.

(3) The statements in the body of the report in the part dealing with *protection of forests* might be confined to those given in Mr. Ribbentrop's model form (G.O., No. 169, Revenue, dated 5th March 1901).

(4) Sections (*d*), (*e*) and (*f*) of chapter II and chapter III of the report should be remodelled and treated as indicated by Mr. Ribbentrop under section 5, Exploitation, of chapter II of the model form. A great deal of this part of the report is at present taken up in explaining in detail variations between the accounts of the year and those of the previous year. This might be much compressed with advantage.

(5) The present chapter V might usefully be divided into two chapters—"Administration" and "General"—treated on the lines indicated in Mr. Ribbentrop's form.

(6) Care should be taken throughout to use statistical abstracts sparingly. Where they are used they should invariably be printed across the page and not along it.

(7) The statistical portion of the present report has been greatly swollen by printing in form 44 a complete list of all reserves. This is in accordance with G.O., No. 585, Revenue, dated 10th October 1898, but on reconsideration the Government is of opinion that no useful purpose is served by printing this list in the report quinquennially. Registers should, if not already maintained, be kept in the Board's and Conservators' offices, and in District Forest-offices, of all reserves in the Presidency, circle and district, respectively, and these should be kept corrected to date.

(8) The model form for a circle report communicated with Mr. Holderness' letter, Circular No. 7-F., dated 18th September 1900, limits the length of the report to 20 pages. The Madras report should therefore not exceed 60 pages and should ordinarily be about 50 pages.

14. The policy of working the department to meet local wants has been kept in view. The Government is, however, inclined to think that more might be done in the Central and Southern Circles in the direction of meeting from the reserves the demand for leaves and twigs useful as manure. The Board should press the matter past the stage of proposals and preparation of schemes beyond which it has not progressed in several districts. The objections reported as having been taken to the quality of wood in the implements offered for sale in the Salem depots should be enquired into and remedied. The Government is pleased to note that the conferences between the Revenue and Forest officers have had useful results in several districts. The Board should insist that these conferences are held in all districts. It is not understood why in Tinnevelly the Revenue officers did not require the attendance of the Forest-officer. It is a district where the Forest establishments should work in close communication with the Revenue officers.

15. It is a matter for regret that no great improvement is as yet perceptible in the conduct of the subordinate executive and protective staff. Three cases of forest guards having been murdered are reported, but it is not clear whether they

were victims of odium excited by the discharge of their legitimate duties or whether oppression or private enmity was the reason for the crimes. Such cases require careful investigation at the hands of the local departmental officers.

16. His Excellency the Governor in Council has read with interest and pleasure the generally favourable reports recorded by the Conservators on the work of the officers of the Controlling staff. In particular, Messrs. Brasier, A. W. Lushington, and Woutersz and Rangers Myers and Raman Menon seem to have done excellent work: and to Mr. Gass the special acknowledgments of His Excellency the Governor in Council are due for the very great trouble and care he took over the arrangements for the supply of sleepers to the Madras Railway Company. With the retirement of Mr. Peet, the Government has lost an experienced Forest-officer of sound judgment and marked ability.

17. The present numerical weakness of the Imperial branch of the controlling staff referred to in the concluding paragraph of the report has been the subject of a special report by the Board of Revenue which is at present under the consideration of the Government.

18. *Conclusion.*—The year was one of steady progress in all branches of forest administration. With the practical completion of the work of selecting lands for reservation, forest officers have been able to devote their time and attention more fully to conserving the reserved forests and bringing them under systematic plans of working. While, on the one hand, breaches of the law have been more strictly repressed, on the other, there has been a distinct advance in the arrangements made to exploit the produce of the forests to meet the wants of the people. For the first time in its history, the department has attempted the organised exploitation of timber on a large scale with results that are on the whole encouraging. The large surplus realised testifies to the general careful management of the year.

(True Extract.)

(Signed) G. S. FORBES,
Secretary to Government.

ANNUAL ADMINISTRATION REPORT

OF THE

FOREST DEPARTMENT

OF THE

MADRAS PRESIDENCY

FOR THE

TWELVE MONTHS ENDING 30TH JUNE 1902.

(1901-1902.)

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1902.

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BOMBAY BRANCH OF THE ROYAL ASIATIC SOCIETY

PROGRESS REPORT

OF

FOREST ADMINISTRATION IN THE MADRAS PRESIDENCY

FOR THE TWELVE MONTHS ENDING 30TH JUNE 1902.

CHAPTER I.—EXTENSION AND CONSTITUTION OF STATE FORESTS.

(i) Alteration of Area.

The following abstract A from Form No. 44 shows the changes in the forest areas of the different classes in the three circles and in the Presidency as a whole, during the year:—

Abstract A.—*Classes and Area of Forests.*

	Area on 1st July 1901.	Added during the year.	Excluded during the year.	Net increase or decrease.	Area on 30th June 1902.
Northern Circle.	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.
Reserved forests	5,800	(a) 5, (b) 213	(c) 1	+ 217	6,017
Do. lands	1,016	(a) 13, (d) 97	(c) 89, (e) 24, (f) 213	— 216	800
Total ..	6,816	328	327	+ 1	6,817
Central Circle.					
Reserved forests	6,534	(a) 129, (b) 191	(a) 41	+ 279	6,813
Do. lands	737	(a) 2, (d) 6	(a) 2, (c) 42, (e) 15, (f) 191	— 242	495
Total ..	7,271	328	291	+ 37	7,308
Southern Circle.					
Reserved forests	4,255	(a) 7, (b) 64	(c) 2	+ 69	4,324
Do. lands	1,199	(d) 9	(a) 8, (c) 9, (e) 10, (f) 64	— 82	1,117
Total ..	5,454	80	93	— 13	5,441
Total.					
Reserved forests	16,589	(a) 141, (b) 468	(a) 41, (c) 3	+ 565	17,154
Do. lands	2,952	(a) 15, (d) 112	(a) 10, (c) 140, (e) 49, (f) 468	— 540	2,412
Grand Total ..	19,541	736	711	+ 25	19,566

(a) Revision of area. (c) Disafforested or unreserved. (e) Excluded at settlement.
(b) Transferred from reserved lands. (d) Newly constituted reserved lands. (f) Transferred to reserved forests.

2. There was a net increase of 25 square miles in the total area under the control of the department during the year against a decrease of 108 square miles during the previous year.

Reserved Forests.

The increase arose from the reservation of 468 square miles under the Forest Act and the addition of 141 square miles due to a more correct computation of the areas already notified. The increase was, however, partly counterbalanced by the exclusion of 3 square miles by disafforestation and 41 square miles by a more accurate computation of the areas notified in previous years. Appendix B shows by districts the particulars of the changes that occurred.

Reserved Lands.

One hundred and twelve square miles were added by the notification of new areas and 15 square miles by a more correct computation of lands already notified. Against this increase, 189 square miles were excluded at settlement or unreserved to provide for extension of cultivation and for the exercise of communal privileges. Ten square miles were deducted on account of revision of areas and 468 square miles were transferred to Reserved forests. The details of the changes are shown in appendix E.

(ii) Forest Settlement.

3. The following abstract gives the progress of forest settlement in the three circles and the Presidency as a whole. The total area brought under settlement up to the close of the year, the area finally constituted Reserved forests and the particulars of balance of lands under settlement in each district on 30th June 1902 are shown in appendix C.

Abstract B.

Circle.	Area of reserved lands—*vide* Abstract A above.					Area brought under Chapter II of the Madras Forest Act.				
	On 1st July 1901.	Added during 1901-1902.	Total.	Excluded during the year mainly by reason of constitution as reserved forests.	Balance at the end of the year.	Area notified under section 4 and not constituted reserved forests on 1st July 1901.	Added during 1901-1902.	Total.	Constituted reserved forests during 1901-1902, or otherwise disposed of.	Balance notified under section 4, but not constituted reserved forests on 1st July 1902.
	SQ. MS.	SQ. MS.	SQ. MS.	SQ. MS.	SQ. MS.	SQ. MS.	SQ. MS.	SQ. MS.	SQ. MS.	SQ. MS.
Northern Circle	1,016	110	1,126	326	800	538	239	777	213 (*b*) 24	540
Central „	737	8	745	250	495	681	6	687	191 (*b*) 15	481
Southern „	1,199	9	1,208	91	1,117	654	42	696	64 (*a*) 1 (*b*) 10	621
Total ..	2,952	127	3,079	667	2,412	1,873	287	2,160	468 (*a*) 1 (*b*) 49	1,642

(*a*) Revision. (*b*) Excluded at settlement.

In the next abstract is shown for the Presidency the progress of the work as compared with the outturn of the previous year's settlement. The details for each district are recorded in Appendix E—

	1900–1901.		1901–1902.	
	Number of blocks.	Area.	Number of blocks.	Area.
		SQ. MLS.		SQ. MLS.
(1) Area notified as proposed reserves under section 4 and remaining to be constituted reserved forests at the beginning of the year	354	2,366	318	1,873
(2) Notified under section 4 during the year	180	377	38	287
Total ..	534	2,743	356	2,160
(3) Deduct area finally constituted as reserved forests under section 16, or excluded at settlement, or the initial notifications of which were cancelled.	204 (*b*) 12	731 (*a*) 17 (*b*) 36 (*c*) 86	112 (*b*) 3	468 .. (*a*) 1 (*c*) 49
Total ..	216	870	115	518
(4) Area which remained to be finally constituted reserved forests at the end of the year	318	1,873	241	1,642

(*a*) Revision. (*b*) Initial notification cancelled. (*c*) Excluded at settlement.

4. At the commencement of the year 318 blocks covering 1,873 square miles remained to be finally constituted reserved forests and 38 blocks with an aggregate area of 287 square miles were added during the year, making a total of 356 blocks of 2,160 square miles. Of these, 112 blocks with an area of 468 square miles were constituted reserved forests, and 3 blocks covering an area of nearly about half a square mile were abandoned. There was a decrease in the number and area of blocks notified under section 4 of the Forest Act due mainly to the completion of the work of reservation in several districts prior to the year under report. At its close 241 blocks with an area of 1,642 square miles were under settlement; but of these, 107 blocks covering 795 square miles have been practically settled and are being finally reported, leaving only 134 blocks with an area of 847 square miles still under settlement enquiry, chiefly in *Kurnool* and *North Coimbatore*. The causes of pendency of the several blocks are shown in Appendix D.

5. The results of the settlement operations of the year under report are compared with those of the years previous in the subjoined statement:—

Year.	Finally notified during the year.		Settled and reported on.		Settled but not reported on.		Total.	
	Number.	Area.	Number.	Area.	Number.	Area.	Number.	Area.
1	2	3	4	5	6	7	8	9
		SQ. MLS.		SQ. MLS.		SQ. MLS.		SQ. MLS.
Ending 30th June 1900 ..	192	970	106	1,060	38	217	336	2,247
Do. 1901 ..	204	731	81	581	53	468	338	1,780
Do. 1902 ..	112	468	54	500	53	295	219	1,263

The outturn was smaller during the year, there being only two Special Forest Settlement-officers employed, whereas in the preceding year, three were engaged throughout and two others for some months.

6. *Outturn of work by Divisional-officers.*—The settlement in *Malabar* and *South Canara* was done by the Revenue Divisional-officers when not engaged on their revenue and magisterial duties. The progress made was proportionately less. The Avanashi tope in *South Coimbatore* mentioned as pending in the last year's report was finally notified during the year.

7. *Selections for reservation.*—The preliminary demarcation of the Pondakol blocks in the *Ganjám* district referred to in the last year's report have been nearly completed, and the necessary maps to accompany the draft notification under section 4 are under preparation. In addition to these areas it is proposed to notify a small area of 303 acres as an extension to the Gogoda reserve. In *Vizagapatam* two smaller blocks forming a portion of the Surugadá reserved land were selected. In *Kistna* only three blocks remained to be notified under section 4 and it has since been decided to abandon one of them. The other two (except a small portion) will remain as reserved lands pending the result of the Devi pumping experiment. In *Kurnool*, the selection work was completed and only 97 square miles remained to be notified under section 4 at the close of the year. Notifications for 8 square miles have since been submitted and except for 15 square miles the remaining area has been preliminarily demarcated and is awaiting the preparation of sketch-maps. Of the eight blocks in the *Bellary* district, the reservation of which was sanctioned by Government, the preliminary demarcation of three blocks only remains to be done. In *Trichinopoly*, the question of reserving the upper anicut padugais is under contemplation. In *South Canara*, 23 selected blocks await notification under section 4 and the preparation of the necessary notifications is being pushed on. In *North Malabar* it was proposed to purchase two blocks of lands in the Kóttayam taluk and the proposal has recently been before Government. In *South Malabar*, three blocks remain to be notified under section 4 and draft notifications for two have been prepared. The other selection, the Silent valley, has still to be preliminarily demarcated. The completion of settlement of the two blocks referred to in the last year's report as pending in *North Coimbatore* still awaits the receipt of the Survey of India maps. It is probable that one of these blocks will be abandoned. In *Madura*, the question of reserving the downs lying between Gundar valley extension and the Travancore frontier is under consideration. Selections in other districts are reported to be almost complete.

The subjoined abstract gives the sanctioned estimate of areas for reservation in each district, the total area brought under the Forest Act, the additional estimated area selected or to be selected and the percentages of the estimated area proposed to be reserved to the total area of Government and unoccupied lands:—

ABSTRACT D.

District.	Sanctioned estimate of areas for reservation.	Area brought under the Forest Act—*vide* last column of Form 44.	Additional estimated area selected or to be selected.	Total estimate proposed to be reserved.	Percentage of column 5 to the area of Government lands in the district.	Percentage of column 5 to the area of unoccupied Government lands in the district.
1	2	3	4	5	6	7
	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.		
Ganjám	656	538	60	598	13·48	15·68
Vizagapatam	415	344	..	344	24·93	30·96
Gódávari	997	1,027	..	1,027	26·35	44·77
Kistna	1,165	1,059	..	1,059	18·84	43·91
Kurnòol	2,677	2,703	..	2,703	41·04	60·21
Bellary	629	(*d*) 636	49	685	14·75	36·40
Anantapur	535	510	..	510	10·89	19·64
Cuddapah	2,640	2,389	..	2,389	31·51	43·92
Nellore	1,132	761	..	761	18·67	32·70
Chingleput	231	214	..	214	10·43	20·98
North Arcot	(*a*) ..	1,295	..	1,295	33·10	50·67
South Arcot	835	664	..	664	13·99	28·96
Salem	1,594	1,650	..	1,650	30·62	51·24
Trichinopoly	(*a*) ..	316	1	317	11·80	31·29
Tanjore	23	19	..	19	00·76	2·70
South Canara	1,011	1,075	..	1,075	27·68	33·88
Malabar	(*b*) 273	501	80	581	10·37	14·03
The Nilgiris	(*c*) 411	498	..	498	52·04	76·73
Coimbatore	(*b*) 1,812	2,311	13	2,324	32·39	70·68
Madura	(*a*) ..	620	..	620	19·09	39·97
Tinnevelly	440	436	..	436	12·22	34·38

(*a*) No definite schemes were formulated and approved for the district.
(*b*) Final schemes were submitted only for the Northern Divisions of the districts.
(*c*) Excludes leased forests. (*d*) Includes leased forests, 62 square miles.

The additional extent shown against *Ganjám* represents the correct area of the two Pondakhol blocks which was wrongly estimated at 22 square miles during the last year. The figure shown against *Malabar* is the approximate area of the two blocks of land in the Kottayam taluk which it has been recently decided to purchase.

Reserved Lands not brought under Settlement.

8. The extent of the above is shown in Appendix E. The area to be notified was largest in *South Canara.* Only 15 square miles were transferred for settlement during the year and steps were being taken at its close for the submission of draft notifications under section 4 in respect of the remaining area. In *Kurnòol* good progress was made in the year and, as already reported, sketch-maps are being prepared for the pending blocks. Out of 48 square miles remaining in *South Malabar*, only 29 square miles had still to be transferred for settlement; draft notifications for 2 square miles were ready and the remaining Silent Valley block was pending preliminary demarcation. The balance of land left in *Kistna* and *Vizagapatam* will, for the present, remain as reserved lands, while the remaining areas in the *Nilgiris*, *Bellary* and *South Malabar* were mostly leased forests. The area remaining to be finally constituted reserved forest at the commencement of the current year was 1,642 square miles and adding to this about 400 square miles of reserved land likely to be brought under settlement in the near future and 203 square miles of new selections, there were 2,245 square miles for final settlement. Out of these, 795 square miles have been practically settled by the Forest Settlement-officers. The Board is exercising a close check on the work of the Special Forest Settlement-officers and it is hoped that the work remaining will be completed by the two special officers within the 31st March 1905, the sanctioned date for their retention.

Survey of proposed reserves.

9. In *Ganjám* a surveyor was employed for nearly five months surveying 45 miles of boundary. The services of the surveyor attached to the Working-plans officer, Northern Circle, were lent to the district for nearly three months and he carried out a contour survey over an area of 23 square miles. In addition, 19 miles were surveyed by Rangers. In *Vizagapatam*, a ghát road was aligned and levelled and the boundaries and coupe lines of a working circle were modified. The surveyors in *Kurnool* surveyed the unsurveyed fields and demarcated reserves for submission of draft notifications under section 4 of the Forest Act. In *Salem* one surveyor was employed for surveying old coupes and computing areas for the preparation of working plans and for marking out coupes to be worked during the year and a second was engaged in surveying coupes and bamboo blocks and in tracing a ghát road. The coffee estates on the Anamalais in *South Coimbatore* are now being re-surveyed in pursuance of the Board's orders.

(iii) DEMARCATION.

10. The length and cost of boundary lines preliminarily demarcated during this and the previous years are shown in the following statement :—

Preliminary Demarcation Work.

—	During 1900-1901.			During 1901-1902.		
	Miles.	Cost.	Average per mile.	Miles.	Cost.	Average per mile.
1	2	3	4	5	6	7
Northern Circle.		RS.	RS. A. P.		RS.	RS. A. P.
Ganjám	29	157	5 6 7	15	49	3 4 3
Vizagápatam	11	88	8 0 0	5	42	8 6 5
Gódávari	2	7	3 8 0	15	136	9 1 0
Kistna	5	(*b*) 66	13 3 2	..	..	..
Kurnool	215	(*b*) 563	2 9 10	73	226	3 1 6
Bellary	30	(*d*) 165	5 8 0	24	49	2 0 8
Anantapur	..	..	..	..	..	..
Total, Northern Circle	292	1,046	3 9 4	132	502	3 12 10
Central Circle.						
Cuddapah	..	..	..	..	..	..
Nellore	6	18	3 0 0	1	2	2 0 0
Chingleput	..	..	..	..	..	..
North Arcot	..	..	..	..	..	..
South Arcot	..	..	..	..	..	..
Salem	63	288	4 9 1	3	9	3 0 0
Trichinopoly	..	..	..	..	..	..
Tanjore	..	..	..	..	..	..
Total, Central Circle	69	306	4 6 11	4	11	2 12 0
Southern Circle.						
South Canara	153	(*b*) *and* (*c*) 102	0 10 8	244	76	0 5 0
North Malabar	..	..	..	..	(*a*) 96	..
South do.	..	..	..	..	..	..
The Nilgiris	10	27	2 11 2	2	6	3 0 0
North Coimbatore	37	(*b*) 322	8 11 3	16	159	9 15 0
South do.	..	(*c*) 5	..	..	..	..
Madura	..	..	..	..	..	..
Tinnevelly	..	..	..	2	12	6 0 0
Total, Southern Circle	200	456	2 4 6	264	349	1 5 2
Grand Total, Presidency	561	1,808	3 3 5	400	862	2 2 6

(*a*) This sum was spent in clearing boundary lines in the Ladysmith reserve to facilitate Forest Settlement-officer's inspection.
(*b*) Includes cost of erecting cairns.
(*c*) Amount spent in clearing boundary lines for Forest Settlement-officer's perambulation.
(*d*) Includes cost incurred in clearing lines, etc.
(*e*) Amount spent on account of labour engaged in cutting jungle and checking boundary stones of many reserves.

During the year no work was done in *Anantapur*, *Kistna*, *Cuddapah*, *Chingleput*, *North Arcot*, *South Arcot*, *Trichinopoly*, *Tanjore*, *North* and *South Malabar*, *South Coimbatore* and *Madura*. The total outturn of work in the Presidency was smaller than in the previous year, due to selections being nearly complete in most districts.

The average cost per mile was less than in the previous year for the Presidency and for the Central and Southern Circles, but greater in the Northern Circle. Taking the districts individually, *Gódávari* shows an abnormal increase due to difficulty in demarcating swampy land through thick mangrove forest in the Coringa extension. The decrease in *Ganjám* is due to the line passing through low scrub and to the higher rate in the previous year for demarcating the Pondakhol agency, and that in *Bellary* to the absence of thick growth on the lines demarcated. The variations in the other districts are slight and need no explanation.

Permanent Demarcation.

11. The length and cost of boundary lines permanently recleared and demarcated during the year are compared in the following abstract with those of the previous year's clearing. Form No. 46 shows the work remaining to be done at the close of the year.

ABSTRACT G.—Demarcation

District.	Perma		
	During 1900-1901.		
	Miles.	Cost.	Average cost per mile.
1	2	3	4
Northern Circle.		RS.	RS. A. P.
Ganjám	272	(m) 3,130	11 8 1
Vizagapatam	81	(a) 1,116	13 12 5
Gódávari	49	(a) 667	13 9 9
Kistna	(k) 161	(a) 1,854 (b) 275	13 8 7
Kurnool	337	(a) 2,834	8 6 6
Bellary	85	200	2 5 8
Anantapur	3	78	26 0 0
Total, Northern Circle	988	10,154	10 4 7
Central Circle.			
Cuddapah	276	1,910	6 14 9
Nellore	65	(a) 501	7 11 4
Chingleput	33	207 (a) 235 (b) 479	27 14 6
North Arcot	99 (i) 13	1,125	10 0 8
South Arcot	15	(a) 618	41 3 2
Salem	16	73	4 9 8
Trichinopoly	88	694	7 14 2
Tanjore	19	79	4 2 6
Total, Central Circle	624	5,921	9 7 9
Southern Circle.			
South Canara	216	3,697	17 1 10
North Malabar	..	..	..
South Malabar	..	..	..
The Nilgiris	45	932	20 11 5
North Coimbatore	79	(a) 694	8 12 7
South Coimbatore	8	4	0 8 0
Madura	..	..	..
Tinnevelly	(q) 8	553 (o) 264	36 2 0
Total, Southern Circle	356	5,616	15 12 5
Grand Total, Presidency	1,968	21,691	11 4 4

(a) Includes cost of erecting cairns.
(b) Includes cost of temporary establishment.
(e) Cost of cutting one and a quarter miles of compartment lines.
(f) Includes cost of planting and transplanting slabs.
(i) Represents cash recoveries.
(j) Also ten miles of existing boundary lines were rectified.
(m) Added or deducted as per Accountant-General's audited figures.
(o) Excludes amount recovered from Travancore State and from Singampatti Zamin Estate for demarcating zamin
(p) Includes Rs. 531 spent in clearing rights of way, boundary coupes and block lines.

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Work done during 1901–1902.

nant.				Reclearing old lines.			
During 1901–1902.				During 1900–1901.		During 1901–1902.	
Miles.	Cost.	Average cost per mile.		Miles.	Cost.	Miles.	Cost.
5	6	7		8	9	10	11
255	(a) Rs. 2,987	Rs. A. P. 11 11 7		33	Rs. 138	41	Rs. 334
24	530	22 1 4		348	686	366	84; — (m) 42
54	(a) & (d) 677	12 8 7		503	(b) 774	3; (a) 786	(a) & (b) 1,310; — (m) 676
166	(a) 1,807; (b) 1,698; (e) 5	21 2 4		26	183	19	366
211	1,345	6 6 0		16	144	..	..
39	242	6 3 3		351	657	429	203; — (m) 74
6	35	5 13 4		36	85	4	4
755	9,326	12 5 8		1,313	2,667	1,648	1,509
186	1,083	5 13 2		46	89	11	15; — (m) 50
168	(a) 1,482; (e) 125; (f) 115	8 13 2		33	108	22; (e) 20	(a) 78; + (m) 3
1	(g) 35; (h) 82; (b) 464	..		(e) 30; (e) 529	22	2; (e) 639	8; — (m) 22
(j) 120	991	8 4 2		20; (e) 1,968	117	(e) 2,091	— (m) 32
21	(a) 285; (i) — 88	9 6 1		22; (e) 30	28	(e) 92	+ (m) 13
41	44	1 1 2		444; (e) 1,070	408	2,582; (e) 62	451; + (m) 126
133	756	5 10 11		5; (e) 358	67	5; (e) 388	59; — (m) 19
15	46	3 1 1		..	..	(e) 64	..
685	5,420	7 14 7		4,555	839	2,622; (e) 3,356	630
376	4,625	12 4 9		19	30	47	228; — (m) 67
5	216	43 3 2		..	8	..	— (m) 98
12	(n) 382	31 13 4		..	..	15	166; + (m) 1
83	1,636	19 11 4		56	899	22	134; — (m) 6
71	1,030	14 8 1		30	(a) 182; (p) 745	12	67; + (m) 2,239
3	6	2 0 0		..	..	9	65; — (m) 2
..	..	..		39; 450	(a) 655	37; (e) 465	(n) 792; — (m) 71
46	1,202	26 2 1		15	90	38	231; + (m) 25
596	9,097	15 4 3		609	2,609	180; (e) 465	3,704
2,036	23,843	11 11 4		(e) 2,522; 3,955	6,115	4,450; (e) 3,821	5,843

(e) Cleared by the Forest establishment free of cost.
(d) Includes cost of rectification of boundaries.
(g) Cost of removing of prickly-pear.
(h) Coupe line clearings of about 33 miles.
(k) Includes 13 miles of compartment lines.
(l) Rectification of boundaries.
(n) Includes cost of clearing working circle lines, whitewashing survey stones, &c.
boundary according to the decision of the Privy Council.
(q) Excludes demarcation of Singampatti Zamin boundary, &c. (12 miles).

Compared with the previous year, there was an increase of 68 miles in the total length of lines permanently demarcated. There was also a slight increase in the average cost per mile for the Presidency. Taking the circles, it is observed that in the Northern Circle the rate per mile increased from Rs. 10–4–7 to Rs. 12–5–8, while in the Central and Southern Circles it fell from Rs. 9–7–9 and Rs. 15–12–5 to Rs. 7–14–7 and Rs. 15–4–3 respectively.

Satisfactory progress was made in several districts. In *Kistna*, *Anantapur*, *Chingleput*, *North Arcot*, *Tanjore* and *North* and *South Coimbatore*, permanent demarcation was practically complete and in *Bellary*, *Salem* and *the Nilgiris* very nearly so. The outturn in *Ganjam*, *Kistna*, *Kurnool*, *Cuddapah* and *Nellore* has been fair, though in some of these districts there is still a large area to be permanently demarcated. The outturn in *Bellary* was poor as there was little area left to demarcate, and the small outturn and heavy expenditure in *Vizagapatam* was due to the line running through uninhabited Agency tracts where labour is difficult to procure.

Compared with the cost rate of the preceding year, there was a marked increase in *Vizagapatam*, *Kistna* and *North Coimbatore* and a noticeable decrease in *Anantapur*, *South Arcot*, *South Canara* and *Tinnevelly*. The cause of the increase in *Vizagapatam* has already been explained. In *Kistna* it was due to the use of slab cairns in the place of mud or stone heaps, while the dense growth of prickly-pear in the Bhavâni range is responsible for the increase noticed in *North Coimbatore*. A satisfactory decrease occurs in *Anantapur*, *South Canara* and *Tinnevelly*. The decrease in *South Arcot* was only nominal, the demarcation being left incomplete, the work of planting slabs not having kept pace with line-clearing.

Reclearing Boundaries.

A length of 4,450 miles of line was recleared at a cost of Rs. 5,843 against 2,522 miles at a cost of Rs. 6,115 in the previous year. A length of 3,821 miles was cleared by Forest subordinates free of cost, against 3,955 miles in the previous year. The expenditure was mostly incurred in the Southern Circle.

(iv) SURVEYS.

12. As in previous years, the combined Nos. 9 and 19 Parties, Survey of India, were divided into four sections, each under the immediate charge of an officer of the Provincial service. Their outturn during the year is shown in the following statement:—

District.	Triangulation.	Traversing.	Topography.	
			Total.	Reserved forests.
	SQ. MLS.	MLS.	SQ. MLS.	SQ. MLS.
Kurnool	420	131	435	347
Cuddapah	710	125	501	417
North Coimbatore	..	..	7	6
South Canara	550	158	302	167
Total ..	1,680	414	1,245	937

In the subjoined table are compared the areas surveyed and the cost during the year with the figures of the two previous years:—

Description of work.	Area surveyed.			Cost rate per square mile.		
	1899–1900.	1900–1901.	1901–1902.	1899–1900.	1900–1901.	1901–1902.
	SQ. MLS.	SQ. MLS.	SQ. MLS.	RS.	RS.	RS.
Triangulation	1,429	1,335	1,680	13·7	8·8	8·3
Traversing	* 312	* 771	* 414			
Topography	1,524	1,378	† 1,306	58·1	58·0	58·8

* Linear miles.

† Includes 61 miles of resurvey in Cuddapah, North Coimbatore and South Canara.

The actual expenditure for the survey year, including cost of instruments, was Rs. 91,625 against Rs. 93,335 in 1900–1901. The total cost debitable to the Forest Department, after deducting contribution of the Government of India, amounted to Rs. 62,125 as against Rs. 68,448 in the previous year. The decrease is reported to be due to debiting other departments with a portion of the pay and allowances of the staff engaged in work for those departments. The average cost of triangulation and traversing was slightly lower than in the previous season and that of topography a little higher.

The several sections left Bangalore early in November and their return was postponed to allow of a six months' field season. As in the previous year, their work was confined to the districts of Kurnool, Cuddapah, South Canara and North Coimbatore. The triangulation was much in excess of the two previous years owing to the employment of an extra triangulator, but traversing and topography were less, the former owing to the uncleared state of the boundary lines in South Canara and the latter to the thicker forest in Cuddapah, where the chain had to be more extensively used.

The office at Bangalore was visited by the District Forest-officers of Kurnool, Cuddapah and South Canara for verifying the season's work, with the result that, as in the previous years, some of the maps had to be withheld from publication owing to errors in demarcation, &c. Eleven sheets of the Kurnool district and 34 of Cuddapah have been forwarded to Dehra Dún for publication.

Departmental Survey.

13. In *Kistna* Rs. 1,947 were spent in local forest surveys. In *Chingleput* surveying was done by the Range officers themselves and in *North Arcot* old coupes were surveyed by the Rangers under the Special Working-plans Officer. A temporary surveyor in *South Canara* demarcated six blocks in ten months. In *North Malabar* a deputy surveyor was deputed to survey some hills in the Kanoth reserve proposed to be set aside for "Ponam" cultivation.

14. The outturn of work by the draughtsmen employed in the various districts is shown in Appendix F. Ten thousand three hundred and forty-six square miles were finally mapped out of the total area of 17,154 square miles of reserved forests. Particulars for each district are to be found in Appendix G.

CHAPTER II.—MANAGEMENT OF STATE FORESTS.

1. Regulation of Management.

(a) Working-plans and their Control.

15. As shown in Form No. 48, working-plans for 1,613 square miles were sanctioned by the Board of Revenue during the year and plans for 1,894 square miles were under preparation at its close. This is a marked advance on the previous year's outturn which was 658 square miles under sanctioned plans and 1,061 square miles under preparation. The amount spent on the work was Rs. 2,282.

Work of the Special Working-plans Officers.

Northern Circle.—Little progress was made in the preparation of working-plans by the special Working-Plans officer, Mr. F. C. L. Cowley-Brown. He started work in several districts, but was obliged to take leave on account of ill-health before much had been completed. Mr. S. Cox was appointed to act during his absence.

Central Circle.—Mr. H. B. Bryant, Deputy Conservator of Forests, was the Working-plans officer till 20th January 1902. Mr. V. S. Gurunatha Pillai, Extra Assistant Conservator, assumed charge of the work on 8th February 1902. The working-plan for Ambur block covering an area of 82 square miles prepared by Mr. Bryant was sanctioned by the Board during the year. Working-plans for the

Gudiyáttam and Palmanér ranges, for which reconnaissance reports had been submitted in the previous year by the same officer, were also completed and sanctioned. A reconnaissance report was submitted for the Chandragiri range during the year.

Southern Circle.—Mr. G. F. Foulkes, Deputy Conservator, continued to be the Working-plans officer. He visited the districts of *North Malabar* and *South Canara* and submitted plans for the forests of Begur and Chedleth in the former and for those of Coondapoor, Udipi, Uppinangadi and Mangalore ranges in the latter. The following working-plans drawn up by him for *South Coimbatore* were sanctioned by the Board: (1) Walayar (revised), (2) Amaravati, (3) Anamalai outer slopes of the Pollachi range, (4) Méttupálaiyam range and (5) Bolampatti range. The working-plans for the forests in North Malabar and South Canara submitted by him have also since received the Board's sanction.

The following summarises the work done in each district in this direction :—

Northern Circle.

In *Ganjam*, working-plans were prepared by the District Forest-officer for the three reserves of the Mohiri hills and for two working circles—one in the Bugada and the other in the Surada range. They were returned to him by the Conservator for revision. The reports of valuation of the sâl forests in the Goomsur range were not acted upon, Mr. Cox being instructed to prepare a definite plan. Three working-plans for 21 square miles in *Vizagapatam* were submitted and approved during the year. In *Góddávari*, the following working-plans received the sanction of the Board since the close of the year: (1) Rekkapalli hills, (2) Coringa reserve and (3) Kandikuppa and Bendamurlanka plantations. The whole of the reserves in the Delta range are now under sanctioned working-plans. In *Kistna*, a revised plan for ·43 square mile was sanctioned. In *Kurnool*, a working-plan for the Kurnool and Dhone working circles was submitted to the Conservator for approval, and the special officer submitted a preliminary report on the forests north of the railway working circles in the Nallamalai Hills. In *Bellary*, the working-plans prepared by Mr. Hooper in 1893 and by Mr. Muttannah in the year previous to the one under report were carried out. The working-plan for 24 blocks in the Adóni range was returned by the Conservator for revision. In Bellary range, statistics were collected for the preparation of a working-plan for three blocks comprising an area of 71 square miles. In *Anantapur* one plan was prepared but proved unworkable.

Southern Circle.

Mr. N. M. Rego, Probationary Extra Assistant Conservator, was attached to the *Cuddapah* district towards the close of the year to assist in the preparation of working-plans and the reconnaissance for simple plans in the Cuddapah and Kadiri taluks is under preparation. Located fellings were commenced in six coupes in Cuddapah and two in Sidhout in accordance with preliminary simple plans. Two coupes in Balapalle working circle were sold to a contractor at Rs. 5 per acre, the standards having been first marked. The gross yield per acre amounted to 11 cart-loads of fuel and 16 cart-loads of brush-wood. In *Nellore*, a revised working-plan was under preparation for Survepálle and its extension; also for the Kanúpur east reserves—an area of about 7 square miles in all. The working-plans in *Chingleput* sanctioned during the previous year were cancelled being faulty, and fresh plans were under preparation and in anticipation certain reserves in both the ranges of the district were marked out into coupes and the year's fellings sold by public auction. The working-plans for *North Arcot* are being prepared by the special Working-plans officer. For working bamboos in Ambur block, revised plans were sanctioned by the Board. In the case of *South Arcot*, a temporary plan for the Tiruvannámalai range was sanctioned by the Board. Three working-plans were sanctioned during the year in *Salem* in addition to the eight already in force, four others being under consideration by the Conservator. Working-plans have yet to be prepared in the district for 1,075 square miles of reserved forests and lands. In *Trichinopoly*, the prescriptions of the working scheme regarding the order of felling were not adhered to in Lalapet, Settalavoi and Kattalai blocks, in the Kásan coupes of the Udaiyárpálaiyam range and the fuel coupes of the Manapparai reserves. The plans are now being brought up to date. The working scheme for the upper anicut padugais was again deviated from for reasons

explained in the previous year's report. Working-plans for all the forests notified under section 16 are under preparation, each working-plan comprising all the forests in a range. A working-plan for the reserves in the Tanjore taluk framed by the District Forest-officer, *Tanjore*, was returned to him by the Conservator for revision.

Southern Circle.

The working-plans for *South Canara* and *North Malabar* prepared by Mr. Foulkes, the Special Working-Plans officer, received the Board's sanction after the close of the year. The working of the coupes on the selection system was given up in *South Malabar* and improvement fellings were sanctioned by the Conservator instead. The Walayar reserve was transferred to the South Coimbatore division and its revised working-plan was sanctioned by the Board. The working-plan prepared by Mr. Foulkes for the Jakanare slopes, 6,400 acres in extent, was sanctioned by the Board; but its working will not be taken in hand until 1902–1903. That for the Talamalai range, *North Coimbatore* district, received the Board's sanction. As the working-plans received from *South Coimbatore* were sanctioned only towards the close of the year, no operations were undertaken. In the case of *Madura*, a working-plan for the Cumbum range was sanctioned during the year. For *Tinnevelly* four working-plans were sanctioned during the year by the Board of Revenue. There were some alterations in the plans already sanctioned, due to changed conditions.

(*b*) *Annual Plans of Operations.*

16. The annual plans of operations were adhered to except in the following instances :—

Northern Circle.

In *Ganjám* the provision for the supply of fuel to the East Coast Railway was not given effect to, as no arrangement could be come to. The preliminary demarcation of Pondakhol reserve did not progress owing to the obstruction offered by the Khonds. The repairs to the Kopalli-Gummalur cart-track in the *Gódávari* district could not be paid for owing to the illness and death of the Range officer. The Range office at Jidiguppa was not completed owing to the slackness of the contractor. The final demarcation of the Papikonda reserve was not carried out, as the boundary along the Nizam's Dominions could not be traced. A supply of 1,100 tons of lighting fuel was made to the Madras Railway Company at a cost of Rs. 2,314, though the transaction had not been provided for in the annual plan. In *Kurnool*, the road from Gazulapalle to Basavapuram, the Ernapad timber slide and part of the road from Chelama to Bandlapenta were undertaken though not mentioned in the plan, as well as repairs to the Paler-Dam rest-house and Nandyal head-quarters and range-house. The hill bungalow at Penukonda in the *Anantapur* district was not completed, as it was accidentally burnt down.

Central Circle.

In *Cuddapah*, deviations were found necessary owing to the absence on leave of the permanent District Forest-officer and the transfer of the Sub-Divisional officer from the district. The departmental collection of small timber in Badvel was not undertaken. A less quantity of redwood roots and stumps was collected owing to the previous year's stock being undisposed of. The repair of certain bungalows was undertaken instead of the construction of certain inspection sheds. For want of demand, a less number of coupes was sold in the *Chingleput* district. In *North Arcot* the re-construction of a portion of the Patrakad ghât road which had been washed away by heavy rains necessitated increase of expenditure under A *VII* (*a*). In *South Arcot*, the construction of the guards' and watchers' lines at Shanikolam was deferred, the estimate not being submitted in time. The bamboo blocks in Harúr, *Salem* district, were leased out instead of being worked departmentally. In *Trichinopoly*, the supply of fuel to the Boer camp had to be undertaken. Certain casuarina compartments in *Tanjore* were not planted up owing to the slackness of the establishment.

Southern Circle.

In *South Canara*, no progress was made in the construction of the rest-house in Coondapoor range and two guards' huts in Mangalore range. In *North Malabar*, no timber was felled in Begur range, there being a quantity unsold and no new elephant pits were dug. In *South Malabar*, the construction of a ghât road in the new Amarampalam reserve was not taken up, a bridle-path having been substituted. In *North Coimbatore*, owing to the outbreak of plague, the collection of timber in Kollegal could not be carried out. The mode of construction of the Yekkatur ghât road was altered. Though not provided for in the plan of operations, the saw-mill and the Supervisor's quarters at Mount Stuart, *South Coimbatore*, were repaired and rollers were fitted to the wire ropeway. Two groynes were built in the Tunakadavu river and a bridge was constructed over it. In *Madura*, the construction of feeder roads, connecting the coupes in the Kanavoipatti and Palamedu ranges with the main roads, was not undertaken, the necessary estimates not being prepared as the two ranges were under one Ranger almost throughout the year. In *Tinnevelly*, fuel supply to the new railway was undertaken departmentally.

2. Communications and Buildings.

(*a*) *Roads, Bridges, &c.*

17. The subjoined statement shows the outlay on communications and buildings during the year under report as compared with the previous year :—

	1900-1901.	1901-1902.
	RS.	RS.
Roads and bridges	32,483	54,010
Buildings	42,377	48,837
Other works	6,760	10,991

Compared with the figures of the previous year, there was an increase of expenditure under all heads, that under "Roads and bridges" being most marked.

In the *Northern Circle* Rs. 8,489 was spent on roads and bridges against Rupees 7,807 in the previous year. A large portion of the expenditure was incurred in *Gódávari* and *Kurnool*. The work in *Gódávari* consisted of the construction of (1) 7 miles of timber track in compartment I, Rekapalli, (2) a bridle-path, nearly 5 miles long, from Koratur up to Bison hill, and (3) the last 3 miles of the Vatangi-Rajavomangi road in Peddapur range. In *Kurnool* the road from Velgode to Sudempenta was under construction.

In the *Central Circle* there was an expenditure of Rs. 13,501 against Rs. 9,981 in the previous year on roads, chiefly in *North Arcot* and *Salem*. In the former district 90 miles of roads and 270 miles of bridle-path were maintained. In addition to the above, three ghât roads on the Javadis aggregating 20 miles in length were constructed by fuel contractors without any direct cost to Government. A portion of the Patrakad ghât road washed away during the rains was also repaired. In *Salem* the expenditure was incurred in constructing (1) a portion of the road from Andiappanur to Karutangudi, (2) the Mallapuram ghât road, and (3) a cart-track from Kiripatti to the foot of the Chitteris, also in repairs to existing roads and on petty works.

In the *Southern Circle*, the expenditure on roads amounted to Rs. 32,020 against Rs. 14,695 in the previous year, and the bulk was spent in *North Malabar*, *the Nilgiris*, *North and South Coimbatore* and *Tinnevelly*. Repair of the existing roads was the object of the expenditure in *North Malabar*, *the Nilgiris* and *South Coimbatore*. In the *Nilgiris*, a new road to the Mudumalai station was opened, as also one in Bleakhouse plantation and another in Blackbridge rock plantation in the Coonoor range. In *North Coimbatore*, a cart-track, 18 miles long, was nearly finished and a portion of a bridle-path, 17 miles long, was converted into a cart-track as well and about 2 miles of a new cart-track were constructed. In *Tinnevelly*, in addition to the repairs to the existing ghât road, two roads were constructed to improve the lines of export from certain working circles.

Under Buildings, the most important works undertaken in the *Northern Circle* were the construction of a rest-house at Tamana in *Ganjám* and one in *Kistna*, and the completion of the rest-house at Pecheruvu in *Kurnool* commenced last year. Progress was made with the construction of the Amagondapaliyam rest-house in *Anantapur*. In the *Central Circle*, the Udayagiri Range-office building in *Nellore* was begun at the end of the year. In *Chingleput*, the soldiers' shed at Avadi was converted into a forest rest-house. The most important works in *North Arcot* were the construction of the bungalows at Attimur and Arasampet, the completion of one at Mamandur and of the ranger's quarters at Kylasagiri. In *Salem* a shed for agricultural implements was constructed at Mallapuram and three rest-houses were repaired. The new District Forest-office in *South Malabar* was nearly completed. In the *Nilgiris* a rest-house was built in the Segur range in addition to an out-house to the District Forest-officer's serambi and a hut for the range clerk at Benne. Rupees 1,443 were spent on the construction of the rest-house at Aiyalur, *Madura* district. The principal work in *Tinnevelly* was the building of a line of huts for forest subordinates at Mudangiar, Srívilliputtúr range. There were no works of importance in other districts, but petty construction and repairs went on in all.

(*b*) *Tramways.*

18. During the year, there were $2\frac{1}{2}$ and $8\frac{1}{2}$ miles length of tramway in the Sríharikóta and Coast ranges, respectively, in the *Nellore* district. In the former 9,460 tons were carried or 23,650 ton-miles run as against 3,450 tons or 8,626 ton-miles in the previous year; in the latter range 5,523 tons or 13,561 ton-miles were trammed against 10,434 tons or 21,881 ton-miles in 1900–1901. The trams continued to be worked by handpower. In *South Coimbatore* the total quantity of timber trammed was 48,546 cubic feet against 39,832 cubic feet in the preceding year. Of the above, 12,951 cubic feet were drawn by Government bullocks. Though the quantity of wood trammed was greater, it was carried a shorter distance and the total outturn of ton-miles was therefore smaller than in the previous year. The poor outturn is reported to be due to heavy rains which damaged the roads and washed away several bridges.

3. Protection of Forests.

(*a*) *General Protection and Breaches of Forest Laws.*

19. The reported forest offences are compared with those of the preceding year in the following statement :—

Circle.	Year.	Number of cases pending at the commencement of the year.	New cases of the year.					Total cases.	Cases pending at the close of the year.
			Injury by fire.	Unauthorised felling, &c.	Illicit grazing.	Other offences.	Total new cases.		
Northern	1900-1901	644	52	2,771	1,976	231	5,030	5,674	593
	1901-1902	593	43	3,464	2,505	398	6,410	7,003	983
	Difference	— 51	— 9	+ 693	+ 529	+ 167	+ 1,380	+ 1,329	+ 390
Central	1900-1901	2,030	147	6,741	6,309	796	13,993	16,023	2,549
	1901-1902	(*a*) 2,616	111	7,348	6,637	643	14,739	17,355	2,691
	Difference	+ 586	— 36	+ 607	+ 328	— 153	+ 746	+ 1,332	+ 142
Southern	1900-1901	451	55	1,887	940	225	* 3,107	3,558	546
	1901-1902	546	105	1,677	656	163	* 2,601	3,147	455
	Difference	+ 95	+ 50	— 210	— 284	— 62	— 506	— 411	— 91
Presidency	1900-1901	3,125	254	11,399	9,225	1,252	22,130	25,255	3,688
	1901-1902	(*a*) 3,755	259	12,489	9,798	1,204	23,750	27,505	4,129
	Difference	+ 630	+ 5	+ 1,090	+ 573	— 48	+ 1,620	+ 2,250	+ 441

* Excludes petty offences.

(*a*) *Vide* explanation in Form No. 50 for variations in the opening balance.

There was a net increase of 7·32 per cent. in the total number of new cases in the Presidency and it occurred under all heads except "other offences". In the Northern and Central Circles there was an increase of 27·43 per cent. and 5·33 per cent., respectively, while there was a decrease of 16·28 per cent. in the Southern Circle. In the districts individually, there was a decrease in the number of offences in *Anantapur*, *Chingleput*, *South Arcot* and *Madura*, but this was more than counterbalanced by increase chiefly in *Vizagapatam*, *Kistna*, *Bellary*, *Nellore*, *North Arcot* and *Salem*. Cases of "injury by fire" increased in the Southern Circle, chiefly in *North Coimbatore*, while in the other two circles the return shows decrease under this head. Incendiarism is reported to be the cause for the increase in *North Coimbatore*. As usual most of the cases of fire remained undetected.

Under "Unauthorised felling" there was a large increase in *Bellary*, *North Arcot* and *Salem*, while there was marked decrease in *Chingleput* and *Madura*. In other districts the variations were slight. In *Bellary* the increase is declared to result from better supervision, while that in *North Arcot* was due to the large number of cases of smuggling of dead wood, red sanders especially, detected in the Chendragiri range. The number of cases in *Salem*, though large, is proportionately small when the vast forest area of the district is taken into consideration. The increase was due to several causes, one of them being the influx of labourers for the Yercaud ghât road. The decrease in *Chingleput* and *Madura* is ascribed to better supervision and increased vigilance on the part of the protective staff.

Grazing offences increased largely in *Kistna* and *Bellary*, but decreased noticeably in *Anantapur* and *Madura*, while in the other districts the variations were small. The increase in *Kistna* was the result of the partial failure of the rains and the consequent attempt of graziers to trespass into closed areas, and that in *Bellary* to the activity of the establishment. The cause of the decrease in *Anantapur* was the stricter control exercised over the subordinate staff; the decrease in *Madura* is attributed to better supervision.

The working of the enhanced rate of pound fees in the Tiruvannámalai taluk, *South Arcot*, introduced in 1897–98 is shown below:—

Year.	Number of animals.	Pound fees.	Compensation.	Fines.	Total.
		Rs.	Rs.	Rs.	Rs.
1897-98	19,758	3,478	3,940	711	8,129
1898-99	18,722	3,940	2,710	823	7,473
1899-1900	11,433	2,728	2,105	528	5,361
1900-1901	11,494	2,757	2,487	691	5,935
1901-1902	11,923	2,826	2,603	848	6,277

The number of animals impounded was slightly greater than in the previous year, but perceptibly less than the numbers of the first two years. The Collector is of opinion that the figures indicate slow but steady progress in the prevention of cattle trespass.

Under "Other offences," there was a noticeable decrease in *Gódávari*, *Cuddapah*, *Chingleput*, *Trichinopoly*, *South Canara* and *Madura*, while increases occurred chiefly in *Vizagapatam*, *Kurnool*, *Bellary*, *North Arcot* and *Salem*. In other districts the variations were small.

The number of cases pending at the close of the year was 4,129 against 3,688 in the previous year.

20. The disposal of reported offences during the year is compared with that of the previous year in the following abstract.

Circle.	Year.	Total.	Withdrawn.				Compounded.		Prosecuted.		Percentage of cases prosecuted to disposals.	Percentage of acquittals to cases prosecuted.
			Undetected.	Withdrawn.	Total.	Percentage of column 6 to col. 3.	Number.	Percentage.	Convicted.	Acquitted.		
Northern.	1900-1901..	5,081	211	510	721	14·19	2,889	56·86	1,317	154	28·95	10·47
	1901-1902..	6,020	105	587	692	11·50	3,491	57·99	1,693	144	30·51	7·84
	Difference.	+ 939	— 106	+ 77	— 29	— 2·69	+ 602	+ 1·13	+ 376	— 10	+ 1·56	— 2·63
Central.	1900-1901..	13,474	848	861	1,709	12·68	8,189	60·78	3,249	327	26 54	9·14
	1901-1902..	14,664	617	575	1,192	8·13	9,101	62·07	3,928	443	29·80	10·14
	Difference.	+ 1,190	— 231	—286	—517	— 4·55	+ 912	+ 1·29	+ 679	+116	+ 3·26	+ 1·00
Southern.	1900-1901..	3,012	122	287	409	13·58	1,326	44·02	1,110	167	42·40	13·08
	1901-1902..	2,692	252	331	583	21·66	1,235	45·87	759	115	32·47	13·16
	Difference.	— 320	+ 130	+ 44	+174	+ 8·08	— 91	+ 1·85	— 351	— 52	— 9·93	+ ·08
Total, Presidency.	1900-1901..	21,567	1,181	1,658	2,839	13·16	12,404	57·52	5,676	648	29·32	10·25
	1901-1902..	23,376	974	1,493	2,467	10·55	13,827	59·15	6,380	702	30·30	9·91
	Difference.	+1,809	— 207	—165	—372	— 2·61	+1,423	+ 1·63	+ 704	+ 54	+ ·98	— ·34

(i) *Acquittals.*—The number of acquittals to cases prosecuted decreased by 2·63 per cent. in the Northern Circle and increased in the Central and Southern Circles by 1 per cent. and ·04 per cent. respectively, resulting in a net decrease of ·34 per cent. for the Presidency.

In the Northern Circle, there was an increase of 9 per cent. in *Ganjám*, due to faulty preparation of cases, while the decrease of 14 per cent. in *Bellary* and 6·8 per cent. in *Anantapur* was due to closer scrutiny exercised before sanctioning prosecutions. In the other districts there was slight decrease except in *Gódávari* which shows an increase of 1 per cent.

In the Central Circle, there was a small decrease in *Chingleput* and *Salem* and increase in all the other districts, *Trichinopoly* ranking highest with an increase of 14 per cent. It is however explained that the proportion of acquittals would be reduced if the compounded cases were included in the return. *South Arcot* stands next with 3·8 per cent., owing to difficulty in getting convictions in cases of illicit grazing without herdsmen.

In the Southern Circle, there was decrease in all the districts except *the Nilgiris* and *North Coimbatore*, where there was an increase of 6 per cent. and 1·5 respectively. *South Malabar*, *North Malabar*, *Madura* and *South Canara* show a decrease of 25, 7·7, 6·9 and 5·8 per cent., respectively. The large decrease in *South Malabar* was due to the very small number of cases taken into court, while that in *North Malabar* resulted from larger free grants of forest produce of trifling value. In *Madura* it was due to the conclusiveness of the evidence for the prosecution. The decrease in *South Canara* was due to fewer prosecutions and larger withdrawals.

(ii) *Withdrawals.*—The percentage of cases withdrawn to cases disposed of increased in the Southern Circle, but there was a decrease in the other two circles, leaving a net decrease of 2·61 per cent. for the Presidency. In the Northern Circle, there was increase in *Ganjám*, *Bellary* and *Anantapur*, due in the first two districts to the absconding of the accused and in the last to the unsatisfactory nature of the reports and the evidence. There was decrease in all other districts, the number of cases in *Gódávari* and *Kurnool* having fallen by 5 and 5·4 per cent., respectively. The decrease arose from certain petty cases having been withdrawn with a warning.

In the Central Circle there was a fall in all the districts except *Nellore* and *Salem*. In *Chingleput*, *North Arcot* and *South Arcot* there was a decrease of 3, 3·3 and 4 per cent., respectively, due to the system of instituting a preliminary enquiry.

In the Southern Circle there was an increase in *South Canara*, *North Malabar*, *Madura* and *Tinnevelly* and a decrease elsewhere. In the last-named district there was an increase of 10·6 per cent. due to the withdrawal of all cases in which cattle were

found in the forests without graziers. The increase in the other districts is not accounted for. The decrease of 22·2 per cent. in *South Malabar* was due to the small total number of cases taken into court, and the 5 per cent. in the *Nilgiris* and 6 per cent. in *South Coimbatore* are reported to result from more careful investigation on the part of the Rangers. In *North Coimbatore*, showing a decrease of 3·6 per cent., many culprits were let off with a warning.

(iii) *Compoundings.*—There was an increase in all the circles in the percentage of cases compounded—1·13 in the Northern Circle, 1·29 in the Central Circle, 1·85 in the Southern Circle and 1·63 for the Presidency.

In the Northern Circle, there was a rise in *Ganjám*, *Vizagapatam*, *Gódávari*, *Kurnool*, almost counterbalanced by decrease in *Bellary* and *Anantapur*.

In the Central Circle there was increase in *Cuddapah*, *South Arcot*, *Salem*, *Trichinopoly* and decrease in the other districts.

In the Southern Circle there was increase in all districts except *Madura*.

As a general rule only cases involving serious offences were taken into court, while petty offences for which there was sufficient proof were compounded. The following statement compares the compensation fees realised during the year, the average amount per case and per person involved with the figures of the previous year :—

Circle.	During 1900-1901.			During 1901-1902.		
	Amount realised.	Average per case.	Average per person accused.	Amount realised.	Average per case.	Average per person accused.
	RS.	RS. A. P.	RS. A. P.	RS.	RS. A. P.	RS. A. P.
Northern	20,763	7 3 0	2 5 3	23,670	6 12 6	2 1 7
Central	52,858	6 7 3	3 4 1	63,348	6 15 4	3 3 1
Southern	6,408	4 13 4	1 12 0	10,410	8 6 10	3 3 8
Total ..	80,029	6 7 3	2 12 5	97,428	7 0 9	2 13 5

The average amount paid per head increased in the Southern Circle and in the Presidency and decreased in the Northern and Central Circles, while in the average per case there was a decrease in the Northern Circle only. There was an increase in the total amount realised in all the circles.

There was decrease in the amounts collected in the following districts, while in the rest there was an increase :—*Gódávari*, *Anantapur*, *North Arcot*, *Nellore*, *North Malabar and Tinnevelly*. The increase was very small in *Ganjám* and *South Canara ;* in *Vizagapatam*, *Kurnool*, *South Arcot*, *Trichinopoly*, *Salem* and *the Nilgiris*, it was due to the larger number of cases compounded. Deterrent fines realised in cases of illicit fellings account for the increase in *Kistna*, *Bellary* and *Chingleput*. The increase in *Cuddapah* was due to the larger number of grazing offences detected. The amount collected in *Tanjore* was nearly double that of the previous year and was due, as in *Madura*, to the imposition of heavier compounding fees. The attention of the Collectors of these two districts as well as *Kistna*, *Bellary* and *Chingleput* will be drawn to the last sentence of paragraph 9 of B.P., Forest No. 49, dated 26th January 1899, with reference to which prosecution should have been resorted to rather than deterrent out of court fines. The increase in *South Malabar* was caused by Rs. 100 recovered in a case of shooting without a license, while that in *North Coimbatore* was the result of enhanced fees charged for illicit goat-browsing. The large increase in *South Coimbatore* was due to the compounding of an important timber theft case for Rs. 3,000. The decrease in *Gódávari* was due to a special compensation fee levied in a timber case, while in *Anantapur* it was the result of a smaller number of cases and to the petty nature of most of the offences compounded. The case of the removal of 191 cart-loads of manure leaves by certain villagers referred to in last year's report was compounded. The decrease in *Nellore* being small has not been explained, while that in *North Arcot*

was due to the large cases referred to in the previous year's report. In *Tinnevelly*, the decrease was due to a smaller number of cases and the non-collection of composition fees in cases of cattle trespassing without a herdsman and in areas under enhanced pound fees. The decrease in *North Malabar* resulted from a greater number of free grants of timber, etc., of trifling value.

21. Rewards were, as usual, sparingly granted, except in *North Arcot*. In *Ganjám* Rs. 3-8-0 were awarded to abkári subordinates but not disbursed before the close of the year. In four cases Rs. 80 were paid to informers and forest subordinates in *Vizagapatam*. In *Gódávari* Rs. 65 were awarded to informers and Rs. 27-13-0 to the Abkári Department. In *Bellary* and *Anantapur*, Rs. 18-8-0 and Rs. 25, respectively, were paid to the abkári officers. In *North Arcot*, Rs. 634-10-8 and Rs. 1-8-0 were granted as rewards to the forest and abkári subordinates, respectively, but the Collector reports that he has ceased to grant rewards. In *South Arcot* and *Trichinopoly*, Rs. 20 and Rs. 55 were awarded to forest subordinates during the year. In the *Nilgiris*, Rs. 15 were granted to informers while Rs. 90 were disbursed in *South Coimbatore* in connection with a timber theft case. In *North Coimbatore*, a portion of a reward granted during the previous year was disbursed this year in addition to Rs. 17 granted during the year. No rewards were disbursed in the other districts of the Presidency.

22. The following statement abstracted from Form No. 50 shows the offences against the Forest Laws which came under observation during the year :—

Circle.	Cases taken into Court.				Cases compounded.			
	Injury to forests by fire.	Unauthorized felling or appropriation of wood and minor forest produce.	Grazing without permission or in tracts in which grazing is prohibited.	Other offences.	Injury to forests by fire.	Unauthorized felling or appropriation of wood and minor forest produce.	Grazing without permission or in tracts in which grazing is prohibited.	Other offences.
1	2	3	4	5	6	7	8	9
Northern	15	1,321	650	144	9	2,060	1,853	253
Central	13	2,115	1,907	177	1	4,936	4,536	437
Southern	21	628	198	98	5	940	408	51
Total ..	49	4,064	2,755	419	15	7,936	6,797	741

Circle.	Cases undetected.				Total cases.				Grand total of cases.
	Injury to forests by fire.	Unauthorized felling or appropriation of wood and minor forest produce.	Grazing without permission or in tracts in which grazing is prohibited.	Other offences.	Injury to forests by fire.	Unauthorized felling or appropriation of wood and minor forest produce.	Grazing without permission or in tracts in which grazing is prohibited.	Other offences.	
	10	11	12	13	14	15	16	17	18
Northern	19	83	2	1	43	3,464	2,505	398	6,410
Central	97	297	194	29	111	7,348	6,637	643	14,739
Southern	79	109	50	14	105	1,677	656	163	2,601
Total ..	195	489	246	44	259	12,489	9,798	1,204	23,750

The remarks of the Government of India in the previous year's Forest Administration Report pointing out the ever-increasing number of reported forest offences and emphasising the necessity of aiming at prevention rather than at detection have been borne in mind but the large areas to be guarded, their openness to attack and the limited establishment make it difficult to prevent trespass effectively: the matter will, however, be continuously kept in view.

(*b*) *Forest Fires and Fire-protection.*

23. The following statement shows the origin of fires as reported. For details of prosecutions for offences by fire—*vide* appendix :—

Division or Circle.	A. Fires caused by accident or through carelessness in burning fire lines.		B. Fires entering the forests by crossing exterior fire traces.		C. Fires beginning inside the reserve or fire-traced areas. Owing to carelessness or accident.							
					By workmen employed in the forests, by purchasers of forest produce, and by hay-cutters.		By villagers, travellers, &c., passing through the forests.		By railway engines.		By lightning or by fire-balloons.	
	Number of fires.	Area burnt in acres.	Number of fires.	Area burnt in acres.	Number of fires.	Area burnt in acres.	Number of fires.	Area burnt in acres.	Number of fires.	Area burnt in acres.	Number of fires.	Area burnt in acres.
1	2	3	4	5	6	7	8	9	10	11	12	13
Northern Circle.												
Ganjám	..	..	2	210	..	..	3	101	..	..	..	..
Vizagapatam	..	..	..	..	1	30	..	..	..	..	..	..
Gódávari	..	..	2	68	..	..	10	7,131	..	..	..	..
Kistna	..	..	1	37	1	500	5	1,005	..	..	..	..
Kurnool	..	..	..	..	..	..	..	..	..	..	..	..
Bellary	..	..	..	..	..	..	..	..	1	3	..	..
Anantapur	..	..	..	..	..	..	..	..	1	125	..	..
Total, Northern Circle	..	..	5	315	2	530	18	8,237	2	128	..	..
Central Circle.												
Cuddapah	..	..	7	10,500	..	..	..	..	..	..	..	..
Nellore	..	..	9	2,839	..	..	..	..	..	..	..	..
Chingleput	..	..	..	..	2	80	..	..	..	..	..	..
North Arcot	..	..	6	1,294	3	76	20	3,360	3	5	..	..
South Arcot	..	..	..	..	2	63	1	1	..	..	..	..
Salem	..	..	..	..	..	..	..	..	..	..	..	..
Trichinopoly	..	..	4	9	..	..	2	100	..	..	..	..
Tanjore	..	..	..	..	..	..	..	..	..	..	..	..
Total, Central Circle	..	..	26	14,642	7	219	23	3,461	3	5	..	..
Southern Circle.												
South Canara	..	..	1	(*a*)..	1	50	14	431	..	..	..	..
North Malabar	..	..	1	6	..	..	..	..	..	..	..	..
South Malabar	..	..	..	..	..	..	..	..	..	..	..	..
The Nilgiris	..	1	475	..	..	..	..	..	..	..	..	..
North Coimbatore	..	1	150	1	150	7	1,375	20	3,739	..	..	..	..
South Coimbatore	..	3	13	..	..	3	320	9	255	2	6	..	..
Madura	..	21	5,010	..	..	..	..	3	95	..	..	..	..
Tinnevelly	..	2	43	7	861	5	235	6	467	..	..	1	100
Total, Southern Circle	..	28	5,691	10	1,017	16	1,980	52	4,987	2	6	1	100
Total, Presidency	..	28	5,691	41	15,974	25	2,729	93	16,685	7	139	1	100

(*a*) Less than one acre.

Division or Circle.	C. Fires beginning inside the reserve or fire-traced areas—*cont.*										Total A, B and C.	
	By intentional firing.								Causes unknown.			
	In order to obtain new grass.		In order to turn out game or to reduce cover.		Maliciously fired.		Total.					
	Number of fires.	Area burnt in acres.	Number of fires.	Area burnt in acres.	Number of fires.	Area burnt in acres.	Number of fires.	Area burnt in acres.	Number of fires.	Area burnt in acres.	Number of fires.	Area burnt in acres.
	14	15	16	17	18	19	20	21	22	23	24	25
Northern Circle.												
Ganjám	..	..	..	(a) ..	..	..	3	101	101	9,969	106	10,280
Vizagapatam	..	..	2	..	..	..	3	30	..	..	3	30
Gódávari	12	1,877	..	..	..	..	22	9,008	3	26	27	9,102
Kistna	..	..	..	..	..	..	6	1,505	4	118	11	1,660
Kurnool	..	..	..	..	1	6	1	6	15	13,771	16	13,777
Bellary	..	..	..	..	..	..	1	3	9	17,520	10	17,523
Anantapur	..	..	..	..	1	400	2	525	8	1,328	10	1,853
Total, Northern Circle ..	12	1,877	2	..	2	406	38	11,178	140	42,732	183	54,225
Central Circle.												
Cuddapah	5	2,648	..	..	2	220	7	2,868	61	20,233	75	33,601
Nellore	..	..	..	..	..	..	..	..	..	..	9	2,839
Chingleput	..	..	..	..	..	..	2	80	..	..	2	80
North Arcot	11	613	..	..	..	..	37	4,054	46	1,657	89	7,005
South Arcot	1	10	..	..	2	12	6	86	2	26	8	112
Salem	2	40	..	..	..	..	2	40	27	2,659	29	2,699
Trichinopoly	2	100	..	..	..	..	4	200	2	45	10	254
Tanjore	..	..	..	..	..	..	..	..	..	..	..	..
Total, Central Circle ..	21	3,411	..	..	4	232	58	7,328	138	24,620	222	46,590
Southern Circle.												
South Canara	2	10	..	..	1	15	18	506	4	236	23	742
North Malabar	..	..	..	..	..	..	..	..	..	..	1	6
South Malabar	..	..	..	..	..	..	..	..	..	..	..	..
The Nilgiris	..	..	..	..	2	1,000	2	1,000	..	..	3	1,475
North Coimbatore ..	6	519	..	..	1	50	34	5,683	36	41,076	72	47,059
South Coimbatore ..	7	415	..	..	..	..	21	996	14	785	38	1,794
Madura	5	..	1	..	4	1,466	13	1,561	42	6,468	76	13,039
Tinnevelly	16	8,668	3	1,080	3	1,325	34	11,875	24	11,105	67	23,884
Total, Southern Circle ..	36	9,612	4	1,080	11	3,856	122	21,621	120	59,670	280	87,999
Total, Presidency ..	69	14,900	6	1,080	17	4,494	218	40,127	398	127,022	685	188,814

(a) Less than one acre.

In the following statement are compared the results of fire-protection during the year and those of the previous year :—

Circles.	During 1900-1901.			During 1901-1902.		
	Area attempted in square miles.	Percentage of area attempted which escaped fire.	Average cost per square mile.	Area attempted in square miles.	Percentage of area attempted which escaped fire.	Average cost per square mile.
			Rs. A. P.			Rs. A. P.
Northern	955	91·27	8 15 2	1,139	91·19	7 15 10
Central	2,505	98·44	5 8 7	2,510	97·15	5 12 9
Southern	1,758	99·22	6 11 4	1,901	98·44	7 9 11
Total ..	5,218	97·39	6 8 11	5,550	96·37	6 13 11

There was an increase of 332 square miles in the total area attempted to be protected in the three circles. The total cost was Rs. 38,138 or Rs. 3,932 in excess of the previous year. The average cost per square mile was less in the Northern Circle, and greater in the others and for the Presidency. Considering the districts individually, the areas attempted remained the same in *Bellary*, *Anantapur*, *South Arcot*, *Trichinopoly*, *the Nilgiris* and *Madura*, and decreased in *Cuddapah*, while no special protection was undertaken for the small forest tracts in *Tanjore*. In the remaining districts fresh areas were brought under protection. There was an increase in the amount expended in *Vizagapatam*, *Godavari*, *Kistna*, *Kurnool*, *Bellary*, *Nellore*, *Chingleput*, *South Arcot*, *Salem*, *South Canara*, *South Malabar*, *the Nilgiris*, *North* and *South Coimbatore*, *Madura* and *Tinnevelly* and a decrease in the remaining districts. The increase noticed in *Vizagapatam*, *Godávari*, *Nellore*, *Chingleput*, *Kurnool*, *South Malabar*, *South Canara* and *North* and *South Coimbatore* was due to the larger area attempted to be protected during the year. In *Kistna* the district boundaries adjoining a reserve had to be cleared. In *South Arcot* certain reforms were introduced to facilitate the supply of provisions to the fire-patrols, of whom a larger number was employed. In *Salem* the fire-patrols were retained a fortnight longer and in *Tinnevelly* the cost of fire-tracing was greater owing to the unfavourable season. The increase in *Bellary*, *the Nilgiris* and *Madura*, being small, has not been explained.

The subjoined abstract shows the percentage of burnt area under protection in each district during the past two years :—

Northern Circle.			Central Circle.			Southern Circle.		
Districts.	Percentage of area burnt to area under protection.		Districts.	Percentage of area burnt to area under protection.		Districts.	Percentage of area burnt to area under protection.	
	In 1900-1901.	In 1901-1902.		In 1900-1901.	In 1901-1902.		In 1900-1901.	In 1901-1902.
Ganjám ..	2·7	7·7	Cuddapah ..	2·9	9·5	South Canara ..	0·7	1·25
Vizagapatam ..	2·4	8·3	Nellore ..	0·7	2·1	North Malabar ..	0·2	·0007
Gódávari ..	·02	·6	Chingleput ..	1·3	·03	South do. ..	..	..
Kistna ..	·09	1·2	North Arcot ..	1·3	·08	The Nilgiris ..	3·2	1·6
Kurnool .	56·8	2 06	South do. ..	0·7	·0006	North Coimbatore.	0·3	3·7
Bellary ..	11·5	·08	Salem ..	1·1	3·2	South do.	0·4	·38
Anantapur ..	9·7	2·3	Trichinopoly ..	0·4	·01	Madura ..	0·2	4·1
			Tanjore ..	..	·122	Tinnevelly ..	1·3	3·1
	8·7	8·8		1·6	2·85		0·8	1·56

The percentage was almost stationary in the Northern Circle, but rose in the Central and Southern Circles. In *Kurnool*, *Bellary* and *Anantapur* the results of protection were more satisfactory than in the previous year. The percentage rose in *Ganjám*, *Vizagapatam*, *Cuddapah*, *North Coimbatore* and *Madura*. In the other districts the rise or fall was slight. The number of fires in *Ganjám* increased owing to the dryness of the year and a total area of 10,280 acres was burnt. The scheme of fire-protection introduced in the previous year in *Vizagapatam* was continued and successfully carried out. There was a large fire in the Rekapalli hills and incendiarism was rife in the Rajahmandri range, *Gódávari* district. In *Kistna* 1,660 acres were burnt. The major portion of the area was set fire to owing to careless cooking in one of the reserves. Sixteen fires were reported in the protected blocks in *Kurnool*. Ninety-five per cent. of the fires in the Nallamalais are said to have been caused by the Chenchus who understand no law. An area of 16,014 acres was burnt in the leased forests in *Bellary* by accidental fires. Three acres in Kuppagal are reported to have been burnt by the escape of sparks from railway engines. The introduction of an improved method of protection in the Sandúr state is under consideration. There were ten fires in *Anantapur*, two of which crossed over from the Mysore territory. The number of fires in the protected blocks of *Cuddapah* rose to seventy-five consequent on the unusually dry season. Three fires entered the Cuddapah Nallamalais from Kurnool and two entered the Seshachellam reserve from North Arcot. The remaining fires were probably accidental, except such as were intentionally lit by graziers for burning the grass. Of the eight cases detected, one had to be withdrawn for want of direct evidence

and four were pending with the Magistrates at the close of the year. The remaining three resulted in convictions. A total area of 2,839 acres was burnt in *Nellore* by accidental fires. In *Chingleput* there were two small fires and the damage caused was insignificant. The cause of half the fires in *North Arcot* was unknown, about 25 per cent. were due to carelessness or accident, and 12 per cent. to incendiarism on the part of the graziers. There were only four fires in the protected areas in *South Arcot* which burnt 74 acres; two of these were attributed to the carelessness of hillmen collecting honey, one to herdsmen and the cause of the remaining one could not be ascertained. The offenders in none of these cases were detected. In *Salem* there were two fires, one of which burnt an area of 13 acres. There were ten fires in *Trichinopoly*, four of which crossed over the fire lines, two were caused by the carelessness of passers-by, two by graziers and the origin of the remaining two is unknown. About 250 acres in all were burnt. Of the four cases taken to Court, convictions were secured in two and the accused in the other two were acquitted, being minors. As usual no fires occurred in *Tanjore*, there being very little grass in the reserves and no fire-protection was considered necessary. In *South Canara* 742 acres were burnt by a fire supposed to be caused by the carelessness of travellers. Of the specially protected areas in *North Malabar*, five acres of a plantation in the Begur range were burnt as well as all the forests not protected in the Chedleth range. There were no fires in *South Malabar*. In the *Nilgiris* there were nine cases of fire, six of which were caused by graziers, and the remainder by the carelessness of subordinates and the hill tribes. The number of fires in the specially protected areas in *North Coimbatore* was greater owing to the carelessness of the Ranger in charge, who was afterwards reduced, and seventy-one fires, covering an area of 68 square miles, were reported in areas not under special protective measures. A large number of sholas were destroyed and two perennial streams ran dry. There were thirty-eight fires in *South Coimbatore* which burnt an area of 1,794 acres. Seven square miles of the protected area in *Madura* were burnt, probably by cattle-owners to obtain an early regrowth of grass. There were no fires in *Tinnevelly* during the earlier portion of the year. A fire which occurred in September lasted two days and burnt about 1,700 acres in the Ambásamudram range.

The following statement shows the areas in districts which escape conflagration by their natural constitution or for other reasons :—

District.	Area. SQ. MLS.	Remarks.
Vizagapatam	32·2 ...	No reasons are given.
Kistna	899·83 ...	Want of grass and rocky soil.
Kurnool	172·8 ...	No reasons are given.
Bellary	48·6 ...	Want of grass and rocky soil.
Cuddapah	247·9 ...	Do.
Nellore	450 ...	Do.
Chingleput	188·28 ...	No reasons are given.
North Arcot	209·1 ...	Rock without grass, scrub jungle or evergreen forests.
South Arcot	468 ...	Want of grass owing to heavy grazing.
Salem	410·8 ...	Rocky soil with no grass.
Trichinopoly	177 ...	Evergreen forests with no grass, or rocky and barren soil.
Tanjore	19 ...	Sandy or marshy soil.
South Canara	20·3 ...	No reasons are given.
North Malabar	81 ...	No grass or other inflammable material.
South Malabar	The total area cannot be estimated correctly in the absence of surveys ...	Evergreen ghat forests.
South Coimbatore	100 ...	Evergreen forests.
Madura	140 ...	Do.
Tinnevelly	All the plain taluks ...	No reasons are given.

In *Ganjám*, *North Coimbatore* and *the Nilgiris* no areas are reported to be immune. The Collector of *Gódávari* reports that the figures are very unreliable. The Collector of Anantapur has not furnished any information on the subject.

(*c*) *Regulation, &c.*

24. The areas open and closed to grazing in each district are shown in Form No. 52 and the number and kind of animals grazed free or on payment of fees in the reserved forests and lands in Form No. 53. The total area of reserved forests and reserved lands rose from 19,541 to 19,567 square miles. Of these, 1,727 square miles were closed to all animals during the year and 492 square miles for a portion of the year against 1,637 and 279 square miles, respectively, during 1900–1901. Taking the circles individually, the area closed throughout the year and for part of the year increased in each.

On account of the scarcity prevailing in part of the district, five reserves in Proddatur range and a portion of the Palkondas, *Cuddapah* district, were thrown open to free grazing throughout the year. The usual concession of free cutting and removal of fodder grass continued in all reserves in the district. In *North Arcot* the cattle of the Malayalis on the Javadis were allowed free grazing as usual and, owing to the unfavourable season, ryots were allowed to remove fodder free from certain reserves. In addition 470 acres were open for free grazing. As in the previous years, goat-browsing was strictly prohibited in *Ganjám*. In *Kurnool* it was decided to close all reserved forests and reserved lands to goat-browsing from 1st July 1902. Goat-browsing was prohibited during the latter half of the year in *Anantapur*. Sixty-nine square miles were open to goat-browsing in *Cuddapah*. In *Chingleput*, it was permitted in some of the reserves, until the concession was stopped by order of the Board of Revenue. The proposals for goat-browsing in the reserved forests of the Central Circle made by the Board of Revenue in its Proceedings, Forest No. 516, dated 5th October 1901, were approved by Government in its Order, No. 176, Revenue, dated 20th February 1902.

The following statement compares the number of animals impounded for illicit grazing in each district with the return of the previous year :—

COMPARATIVE STATEMENT of Animals impounded for illicit grazing in Reserved Forests and Reserved Lands during 1900–1901 and 1901–1902.

—	Without permits.							
	Cattle.		Sheep.		Goats.		Total of all animals.	
	1900–1901.	1901–1902.	1900–1901.	1901–1902.	1900–1901.	1901–1902.	1900–1901.	1901–1902.
1	2	3	4	5	6	7	8	9
Northern Circle.								
Ganjám	1,223	1,334	56	138	..	..	1,279	1,472
Vizagapatam	821	855	116	66	2,272	5,160	3,209	6,081
Gódávari	2,011	1,571	256	437	2,229	1,482	4,496	3,490
Kistna	6,587	10,353	4,339	12,507	8,011	15,045	18,937	37,905
Kurnool	6,367	6,717	9,074	6,701	9,316	6,270 / * 1,814	24,757	21,502
Bellary	728	4,112	1,748	1,713	1,152	3,162	3,628	8,987
Anantapur	6,683	1,723	12,643	4,785	12,687	9,650	32,013	16,158
Total, Northern Circle ..	24,420	26,665	28,232	26,347	35,667	42,583	88,319	95,595
Central Circle.								
Cuddapah	5,872	6,653	17,284	16,902	45,333	4,465	68,489	28,020
Nellore	5,436	7,946	10,136	9,307	8,045	8,046	23,617	25,299
Chingleput	2,172	1,013	3,020	956	1,034	..	6,226	1,969
North Arcot	22,170	11,373	12,508	12,491	..	..	34,678	23,864
South Arcot	13,585	11,334	14,901	14,536	22,721	27,129	51,207	52,999
Salem	3,193	4,016	4,082	3,149	10,041	5,058	17,316	12,223
Trichinopoly	2,737	2,737	5,389	5,389	4,815	4,815	12,941	12,941
Tanjore	669	403	127	116	449	430	1,245	949
Total, Central Circle ..	55,834	45,475	67,447	62,846	92,438	49,943	215,719	158,264
Southern Circle.								
South Canara	1,261	1,394	..	..	10	..	1,271	1,394
North Malabar	118	58	..	..	..	..	118	58
South Malabar	49	4	..	..	91	12	140	16
The Nilgiris	517	371	20	66	308	125	845	562
North Coimbatore	786	920	881	1,025	1,871	1,099	3,538	3,044
South Coimbatore	1,062	701	336	101	1,653	605	3,051	1,407
Madura	1,635	919	1,449	542	..	3,824	3,084	5,285
Tinnevelly	1,994	262	2,727	89	1,660	169	6,381	520
Total, Southern Circle ...	7,422	4,629	5,413	1,823	5,593	5,834	18,428	12,286
Grand Total, Presidency ..	87,676	76,769	101,092	91,016	133,698	98,360	322,466	266,145

* Sheep and goats.

Comparative Statement of Animals impounded for illicit grazing in Reserved Forests and Reserved Lands during 1900-1901 and 1901-1902—*cont.*

	In closed areas.							
	Cattle.		Sheep.		Goats.		Total of all animals.	
	1900-1901.	1901-1902.	1900-1901.	1901-1902.	1900-1901.	1901-1902.	1900-1901.	1901-1902
	10	11	12	13	14	15	16	17
Northern Circle.								
Ganjám	23	27	7	..	1,939	2,385	1,969	2,412
Vizagapatam	14	88	..	..	..	332	14	420
Gódávari	245	280	56	27	1,053	1,004	1,354	1,311
Kistna	3,960	4,057	1,497	1,844	4,008	9,019	9,465	14,920
Kurnool	343	253	18	55	536	3,166	897	3,474
Bellary	164	398	..	336	538	1,648	702	2,382
Anantapur	578	448	407	117	428	875	1,413	1,440
Total, Northern Circle ..	5,327	5,551	1,985	2,379	8,502	18,429	15,814	26,359
Central Circle.								
Cuddapah	93	104	118	470	1,235	44,117	1,446	44,691
Nellore	2,973	2,570	1,923	1,192	18,613	22,207	23,509	25,969
Chingleput	..	..	..	..	10,422	3,620	10,422	3,620
North Arcot	1,644	1,563	474	760	38,843	34,450	40,961	36,773
South Arcot	285	100	..	106	22,721	27,129	23,006	27,335
Salem	1,304	707	210	75	4,065	10,589	5,579	11,371
Trichinopoly	..	..	..	..	..	..	..	..
Tanjore	210	103	5	12	72	50	287	165
Total, Central Circle ..	6,509	5,147	2,730	2,615	95,971	142,162	105,210	149,924
Southern Circle.								
South Canara	101	122	..	..	..	..	101	122
North Malabar	7	4	..	..	..	..	7	4
South Malabar	24	14	..	..	..	..	24	14
The Nilgiris	590	557	118	52	..	2	708	611
North Coimbatore	364	170	448	327	330	323	1,142	820
South Coimbatore	106	294	8	..	..	58	114	352
Madura	..	..	..	..	3,713	..	3,713	..
Tinnevelly	..	815	..	1,720	..	984	..	3,519
Total, Southern Circle. ..	1,192	1,976	574	2,099	4,043	1,367	5,809	5,442
Grand Total, Presidency ..	13,028	12,674	5,289	7,093	108,516	161,958	126,833	181,725

The number of animals of all classes impounded for grazing without permits was 266,145 against 322,466 in the previous year, the decrease being most noticeable in *Anantapur*, *Cuddapah*, *North Arcot* and *Tinnevelly*. This decrease was, however, partly counterbalanced by increase chiefly in *Kistna*. The decrease in *Anantapur* and *North Arcot* is ascribed to the greater facility afforded to ryots for taking out permits. In *Cuddapah* the return of impounded animals distinguishes for the first time those which grazed and browsed without permit in open areas and those which trespassed into closed areas. Taken together these figures show an increase in impoundings, though the animals, especially goats, so treated for being unlicensed in open areas, show a decrease. The decrease in *Tinnevelly* was due chiefly to the non-impounding of cattle found trespassing without herds-men and the increase in *Kistna* to better supervision and unfavourable season. There was a fall in the number of cattle impounded, the decrease being most marked in *North Arcot*. In the case of sheep also there was an equal decrease, *Anantapur* contributing mainly to it. The number of goats impounded decreased from 133,698 to 98,360, *Cuddapah* showing the largest decrease. The cause for the decrease has already been explained above. *Salem* stands next. There was increase chiefly in *Kistna*, *Kurnool*, *Anantapur* and *South Arcot*. The total of all animals impounded for grazing in closed areas rose from 126,833 to 181,725 the increase occurring chiefly in *Cuddapah* as mentioned.

25. The following abstract shows the number of cattle, sheep and goats admitted under licenses during the year :—

Circles.	Buffaloes.	Bulls and cows.	Sheep.	Goats.	Other animals.
Northern Circle	81,303	439,654	1,333,114	210,492	136
Central ,, ...	31,488	665,050	742,177	69,542	12
Southern ,, ...	20,211	249,627	80,552	20,035	350
Total ..	133,002	1,354,331	2,155,843	300,069	498
1900-1901	128,884	1,300,118	1,361,547	315,704	1,217

The total number of all kinds of animals grazed on payment was 3,943,743 against 3,107,470 in the previous year, thus showing a satisfactory increase of 836,273 animals consequent on better supervision as well as the wider recognition among the people of the wisdom of taking out permits.

(*d*) *Injury by Insects.*

26. In *North Arcot* a species of caterpillar, found in the casuarina trees of the Ammundi plantation, did great damage by killing the growing shoots of young trees. Specimens were sent to the Forest Entomologist to the Government of India with a view to their identification and for suggestion of methods for their destruction. Caterpillars appeared in some teak plantations in *South Malabar* but their devastations were cut short by heavy rain.

4. Sylviculture.

(*a*) *Natural Reproduction.*

Northern Circle.

27. The promising seeding of *Shorea robusta* in the *Ganjám* district reported last year produced little result as the rain held off. This year it flowered late and the seeds were few. There was a fair reproduction of *Terminalia tomentosa and Tchebula* in the Golgonda Agency hills in the *Vizagapatam* district. Natural reproduction was generally good throughout the *Gódávari* district. In *Kistna*, the coppice growth of the Guntúr babul working circle was encouraging. Seedlings of *Hardwickia binata*, *Chloroxylon swietenia*, *Anogeissus latifolia* and *Melia* were flourishing. Bamboo thickets in Kondapalli, Kondur and Kottur reserves developed well. Reproduction from seed in the Nallamalais in the *Kurnool* district was very poor owing to fires. *Terminalia tomentosa* and *Chloroxylon swietenia* occupied well, while *Anogeissus latifolia* coppiced bad. Except in the leased forests and in the specially protected yepi block of Bellary reserve, there was no natural reproduction by seed in *Bellary* owing to excessive grazing. Coppicing was fair in the areas felled over and afterwards placed under special protection. In *Anantapur* regeneration of babul growth was good, of *Dolichandrone crispa* fair, and of *Hardwickia binata* in the Kothakota working circle stationary.

Central Circle.

In *Cuddapah*, reproduction by coppice, especially in the case of redwood, was excellent in the felled coupes in the Cuddapah and Sidhout blocks. Regeneration by seed was generally poor owing to the dry and rocky nature of the soil, and the destruction of the seedlings by cattle and fires. Reproduction from coppice continued good in the Sríharikóta, Survepalli and Mocherla reserves of *Nellore* and from seed in the palmyra-bearing areas. In *Chingleput*, Billu (*Chloroxylon swietenia*) and sâl seedlings were flourishing and seedlings of *Melia indica*, *Pterocarpus marsupium* and *Albizzia amara* were noticeable in several blocks. Reproduction from seed was poor except under shade in the *North Arcot* district owing to short and untimely rainfall. Bamboo seedlings were growing well on the Javadis. Seedlings of *Anogeissus latifolia*, *Pterocarpus marsupium* and *Chloroxylon swietenia* came up in some of the reserves. Reproduction from coppice was particularly good in the case of *Albizzia amara*, and *Strychnos nuxvomica* and that from root-suckers continued to be good in the coupes of the Gudiyáttam range. In the tidal swamp forests of the Cuddalore range (*South Arcot*) self-sown seedlings of the two species of *Avicennia* flourish. In some forests

Melia indica was gradually introducing itself everywhere. Coppice growth was good in coupes felled properly. In *Salem* reproduction by seed was satisfactory in the Caveri Acha (*Hardwickia*) forest *Melia azadirachta*, *Chloroxylon swietenia*, *Albizia amara*, *Anogeissus latifolia*, *Pterocarpus marsupium* and *Dendrocalamus strictus* came up abundantly. Reproduction of sandal was fair. In the felled coupes reproduction by coppice was promising. Reproduction from both seed and coppice was fair in the Caveri and Coleroon "padugai" forests in the Kulitalai and Udaiyárpálaiyam ranges of the *Trichinopoly* district. Reproduction in the Pachamalais was good and kasan (*Memecylon edule*) coppiced well in the Udaiyárpálaiyam range. The dry sandy nature of the soil in the *Tanjore* district does not appear to favour natural reproduction from seed. Kasan coppiced well while casuarina did not.

Southern Circle.

In *South Canara*, reproduction from seed was not good, but all species when cut coppiced well. Teak coppice shoots and seedlings were noticeable in the successfully protected areas in *North Malabar*. The growth of *Xylia* seedlings on laterite soil was remarkable in *South Malabar*. In *the Nilgiris*, reproduction by coppice was as usual excellent in the Ootacamund plantations but not so satisfactory in those round Coonoor. The growth from seed was good in the Benne and Mudumalai forests, especially of *Terminalia tomentosa*, vengai, rosewood and teak. The small bamboo seeded profusely in Mayur, as also the mango. During the latter part of the year all species flowered profusely in *North Coimbatore* and the revenue derived from *Melia azadirachta* in the Satyamangalam range was a record one. Except where fires had penetrated, seedlings of many valuable species were noticed. Reproduction from coppice and suckers of the cut sandalwood trees was good. In *South Coimbatore*, natural reproduction was fair in the Pollachi range and in parts of Bolampatti, but bad in the dry portions of Udumalpet and Mettupalaiyam. In the evergreen forests of *Madura* which have not been worked, reproduction was very satisfactory and *Albizzia amara* coppiced well. In the deciduous forests there is scarcely any seed reproduction owing to the open state of the forest and the periodical fires. In *Tinnevelly*, natural reproduction continued to be good in the evergreen forests. A heavy flowering of *Messua Coromandalina* was noticed during the year. The coppicing of *Grewia latifolia* was very satisfactory in the Kuttalam working circle. Outside the working circle reproduction was much retarded by fire.

(*b*) *Artificial Reproduction.*

28. The area under plantations, topes and cultural operations, together with the cost incurred during the year, will be found in form No. 54.

The following is a resumé of the district reports :—

Northern Circle.

In *Ganjám*, experimental sowings were continued in the Napier reserve. The *Ficus elastica* plants in it were ready for transplanting. The sowing of sal seeds broadcast was again attempted, but the seedlings died as rain held off.

In *Vizagapatam*, the sowing of palmyra seeds along the boundary lines of reserves in the Sarvasiddhi taluk showed good results. Divi Divi planted in Golkonda and Palkonda ranges promises well.

In *Gódávari*, the teak and other seedlings put out in the Devanchervu reserve have put on new leaves after surviving a hot weather.

In *Kistna*, the casualties in casuarina planted in the previous years in Gopuvanipalam reserve were replaced and 55 acres were newly planted. As usual the reserves in the Weld and Gopuvanipalam reserves supplied seedlings of various species.

In *Kurnool*, no operations were undertaken except an unsuccessful sowing of a small quantity of *Swietenia macrophylla* seed.

In *Bellary*, the Kuppagal plantations were extended by 10 acres. In one plantation the previous year's plants which had been destroyed by wild pigs had to be replaced. Date and palmyra seeds were sown in all the plantations.

In *Anantapur*, the sowing of date seeds in some of the reserves proved a failure. The previous year's sowings of *Dolichandrone crispa* and Casuarina in the Ananfapur range are doing fairly.

Central Circle.

In *Cuddapah*, date seeds were sown in selected areas of unreserved land. The sowings of previous years were not as a rule successful owing to short rainfall.

In *Nellore*, a beginning was made in planting fruit-bearing and other useful trees in selected areas. 166,000 palmyra seeds were sown in the reserved lands of the Kavali taluk.

In *Chingleput*, 50 per cent. of the bamboo saplings transplanted along the hedge of Periyakuppam rest-house compound from the Meyyur plantation are thriving. Seeds of various trees were sown in furrows or pits in the Chingleput range. The Divi Divi plants in the Meyyur plantation are doing well.

In *North Arcot*, the planting of 8 acres of Kilminnal plantation with Divi Divi proved a success. As in the previous year avaram (*Cassia auriculata*) and kolingi seeds were sown broadcast in blanks, but owing to drought the operation was not successful.

In *South Arcot*, casuarina seedlings were put out in the Cuddalore coast plantations, at a less cost than in the previous year owing to a favourable season. As usual there were a number of casualties in the bamboos planted experimentally.

In *Salem*, the seedlings of timber and fuel-yielding species succumbed to the heat. The sandalwood seedlings on the plateau and slopes of the Chitteris were thriving. The *Melia* and tamarind plants in the Harur range office tope are in good condition.

In *Trichinopoly*, as in the previous year, nothing was done beyond the sowing of cashew (*Anacardium*) and Tamarind seeds in two reserves of the Perambalur range.

In *Tanjore*. 8,800 palmyra seeds were dibbled along the boundaries of the reserved forests and the seedlings are doing well. The babul seeds dibbled in near a tank germinated well and the seedlings are thriving.

Southern Circle.

In *South Canara*, the *Swietenia mahagoni* and *S. macrophylla* are thriving in the Range office compound at Puttur. The system of paying the Maraties Re. 1 per 100 living plants put on in Kumaris is working well.

In *North Malabar*, about 22 acres were planted with teak in the Chedleth range and 25 acres in Begur; 60 per cent. of the plants survive. About 30 acres were cleared by the Kurichiars on contract and planted with Jack (*Artocarpus*). The plantation has done well as a small quantity of arsenic put down round the seeds kept away the rats.

In *South Malabar*, 123 acres prepared for planting in the previous year were planted with teak seedlings, 6 feet apart, and 121 acres were prepared for planting. Casualties in the plantations caused by elephants and other wild animals were replaced. A nursery has been made in the Forest office compound for raising seedlings.

In *the Nilgiris*, the young mahogany trees in the Benne and Mudumalai stations are thriving. The *Grevillea robusta* trees planted in 1897 at those places have attained a height of 25 feet and a girth of from 9″ to 18″.

In *North Coimbatore*, artificial reproduction was *nil*.

In *South Coimbatore*, as the broadcast sowing in the felled compartments of Tekadi leased forests proved unsuccessful, seedlings were raised and are being planted in properly prepared pits.

In *Madura*, 12,300 casualties were replaced in the Gundun Shola blue-gum plantations.

In *Tinnevelly*, many of the fruit trees put down last year at the Kuttalam rest-house died owing to scarcity of water. The mahogany trees at Mundanthorai continue to do excellently and they thrive in the Kaliyavur and in the abandoned Kongarayakurichi reserves.

(1) *Early Thinnings*; (2) *Other Operations for the Improvement of Growing Stock.*

Northern Circle.

29. Over 1,642 acres in the Gogodo reserve, *Ganjám* district, creeper-cutting was carried out at a cost of Rs. 125, while in *Gódávari* the subordinates did similar work free of cost. In *Kistna* thinnings of casuarina, &c., were made. Creepers were removed and badly-grown specimens of valuable species were cut back in *Kurnool*.

Central Circle.

Prickly-pear was removed from some reserves in *Chingleput*. The dead trees in the several casuarina plantations in *North Arcot* were cut and sold. The removal of prickly-pear and the repair of fences in all the plantations were done at a cost of Rs. 98. In *Salem* no bamboo blocks were leased out in the Tirupattúr range on account of the over-worked condition of the bamboo area. Creepers and climbers affecting standard and sandalwood trees were cut and prickly-pear which had been working its way up the Yercaud Ghat road was cut out and treated with arseniate

of soda, which prevented the cut leaves from striking afresh. Bushes in the coupes of the Udaiyárpálaiyam range, *Trichinopoly* district, were removed to facilitate the growth of small timber. Creeper-cutting was carried out in all the reserves of the *Tanjore* district.

Southern Circle.

In *South Canara* creeper-cutting was carried out over 200 acres of Jatkattmale reserve in the Udipi range. Three plantations were weeded in *North Malabar*. About 920 acres of teak plantations were thinned in accordance with the provision of the working plans in *South Malabar*. Weeding was carried out over 1,885 acres and pruning over 160 acres. Parasites were also cleared. In *North Coimbatore*, the dead, dying and wind-fallen trees were marked for felling in the Minchiguli and Vellacombai blocks, as well as the mature and dead sandal trees and roots in the sandal coupes. Bamboo thinning was undertaken in two working circles in *South Coimbatore*.

(*c*) *Experiments.*

30. The results of experiments made with exotics and other plants are given below :—

Agave ixtle.—All the plants in the Polur range and many in the Vellore range, *North Arcot* were sent to the Hindupur farm. The remaining plants at Vellore were doing well, while 104 in Palmaner were not thriving owing to poor soil. Some seeds put down in the Vellodu reserve, *North Coimbatore*, germinated fairly but most of them soon died.

Bamboos.—The bamboos in *South Malabar*, though thriving, suffered badly from heavy floods. As a result of the experiment made in *Tinnevelly* regarding the best and cheapest method of introducing bamboos by various kinds of cuttings and layers, it was found that the greatest success was obtained from a small-cutting with a part of the rhizome attached.

Rubber trees.—Four out of 12 seeds put down in a tope in the Palmaner range, *North Arcot*, germinated and the plants have attained a height of 3 to 5 feet.

(*a*) *Landolphia Kirkii.*—None of the seeds sown in *South Arcot* or *Salem* germinated. Twelve of these trees exist in *South Malabar*, together with 13 seedlings averaging 6″ in height.

(*b*) *Landolphia florida.*—There are 29 of these thriving in *South Malabar*.

(*c*) *Ceara.*—Those in the Tunacadavu range, *South Coimbatore*, were doing fairly well.

(*d*) *Ficus elastica.*—The seedlings in *Ganjám* were doing well and were ready for replanting.

(*e*) *Hevea.*—There are 25 trees in *South Malabar*, of which two are bearing seed now.

(*f*) *Kicksia Africana.*—The 31 trees in *South Malabar* have an average height of 4 feet.

Date trees.—In *Gódávari* edible date cultivation was ordered to be started in all ranges. In *Kistna* date seeds were sown in various taluks but only fifty plants now survive in Guntúr. Seeds were sown in selected areas of unreserved lands in *Cuddapah*. Experiments were made in 1885 and in subsequent years, but the drought during 1890–91 was too severe for the young plants, there being now only twenty plants in the district in the Balapalle nursery. Edible date plantations were started in Allipuram and Sríharikóta, *Nellore* district, in 1889–90. At present there are none at Sríharikóta and only 635 plants in the Allipuram plantation ; 159 of these are fairly well grown, the remainder stunted. Considering there were 4,200 plants in the Allipuram plantation in 1894–95 of which so few exist and those dwarfed, the experiment is scarcely a success. In *Chingleput*, Rs. 30 were spent for the purchase of date seeds to be dibbled in the vacant areas in reserves and unreserved lands, but nothing was done during the year, as no suitable areas were secured for the purpose. The date trees planted in the Chandragiri range, *North Arcot*, are thriving ; those in Tiruvallam plantation are not so healthy. In Palmaner range, on the plateau, the plants do not flourish. It is believed that the experiment will be a success if made under proper sylvicultural conditions and with a due proportion of male and female trees. In *South Arcot* the experiment was not conducted either systematically or on a large scale and no definite opinion can therefore be pronounced. There are about seventy trees scattered throughout the district, but though more than eight years old not one has either flowered or fruited, which seems to show that the soil is not suitable for the propagation of the tree. Date seeds were sown in the various ranges of *Salem* in 1889. In 1897 there were only eleven plants in the district and now there are none. Cultivation of the edible date was tried ten years ago on the Pachamalais in *Trichinopoly* but without success. About a dozen plants between 5′ and 6′ in height are now reported to exist in the district. In *Tanjore* there were casualties in the date trees in the Vettangudi reserved forest. No edible date trees grow in *South Canara*, *North Malabar*, *the Nilgiris*, *South Coimbatore* or *Madura*. In *South Malabar* the experiment was tried in 1890 but proved a failure. There are a few date trees in two bungalow compounds in *Tinnevelly*, but they have produced no fruits. No experiments with the edible date were made in *Ganjam*, *Vizagapatam*, *Kurnool*, *Bellary* or *North Coimbatore*. In *Anantapur* the experiments were failures.

Divi Divi was planted in 8 acres in Kilminnel plantation, *North Arcot*, and the operation was a thorough success.

Durian plants.—Only one of the durian plants now survives in *North Malabar* and is about 15″ high. Only five plants now survive in *South Malabar*.

Eucalyptus.—There were 997 plants in the Palmanér range, *North Arcot* district, but they were thriving in only one tope.

Grevillea robusta.—Ten only of the 28 seedlings flowered in the Balapalle nursery, *Cuddapah* district, and they vary from 3 to 6 feet in height.

Hæmatoxylon Campeachianum is thriving well in *Gódávari*.

Ipecacuanha.—The four surviving plants in *South Malabar* do not look healthy.

Mahogany.—Some fine seedlings were raised in *Gódávari*. Some of the seeds germinated in *Kistna*, but most of the seedlings are not healthy. Forty-two were transplanted from the Balapalle nursery, *Cuddapah*, of which 10 only now survive. Of the 300 seeds sown subsequently in the Kodur plantation and Balapalle nursery, only three have germinated. The plants in the Vellore range, *North Arcot*, are doing well except where overtopped by other trees. The quarter pound of seed sown in two of the topes did not germinate at all. Eighty-seven seedlings were raised out of the 2 lb. of seeds sown in the various ranges in *South Arcot* and the seedlings will be put out in suitable localities in the ensuing rains. In *Trichinopoly*, a Mahogany tree dating from 1884 has a girth of 33″ at 3′ from the ground. All the Mahogany plants in the Vettangudi range forest, *Tanjore* district, are thriving. Two hundred and ninety-five seedlings raised during the year in *South Coimbatore* were doing fairly well. Two out of the three plants put out in the Kanavoipatti subordinates' lines survive.

Swietenia macrophylla.—Seedlings reported to be thriving last year in *Ganjam* nearly all died. From this year's sowing, 3 sturdy seedlings resulted and they will be transplanted in the rains. Twenty-four healthy plants now survive in *Cuddapah* and vary from 8 to 12 feet in height. In *South Arcot* the tree appears to flourish and 206 plants were raised from seed. The trees in the teak plantations in *South Malabar* are from 23 to 46 feet high. Four planted in 1887 have now fruited. The 30 year old big tree in Chattamborai is now 91′ high and 80″ in girth, having grown 1′ in height during the year. The seventy-four plants in Dhoni in the Palghat range continue to grow well and have a height from 16 to 31 feet, the larger trees having an average girth of 23″ at breast height. The plants in the Alagar hill reserve, *Madura* district, are thriving.

Mallotus philippinensis.—About 275 seedlings survive in *Ganjám*.

Pterocarpus indicus.—All the 24 plants are doing well in the *Tanjore* district. The three plants in Manantoddy, *North Malabar*, are about 6″ high.

Paspalum dilatatum.—Experiments were continued at Chatrapur in the *Ganjám* district. The seed sown in Tornagal, *Bellary* district, failed to germinate and so did that sown in the Avadi rest-house compound, *Chingleput*. The seed sown in the Vengur padugais in the *Trichinopoly* district germinated freely and in due time the grass seeded.

Sterculia elata.—Only 5 out of the 23 now survive and even they do not look healthy, probably owing to unfavourable soil.

5. Exploitation.

(1) *Clear or Regeneration Fellings.*

Northern Circle.

31. In *Gódávari*, portions of the Kandikuppa, Upputeru and Coringa reserves and of the Bandamurlanka plantation were clear felled. In accordance with the revised working-plans of the Gopuvanipalem reserved forest and extension No. 2, *Kistna* district, 16·80 acres were sold in auction for Rs. 474. The casuarina trees in the Vanuduru plantation, Masulipatam range, were sold standing for Rs. 610.

Central Circle.

Some trees in the Meyyur plantation, *Chingleput* district, were felled and sold. Forty-three acres of babul growth were clean felled in the Pulrambakkam block. In *South Arcot*, about 58 acres in the casuarina plantations were sold standing for Rs. 7,730 for clear fellings in accordance with working-plans. In *Tanjore* 45 acres of casuarina plantations were felled during the year by contractors and yielded 438 tons of sized and 407 tons of unsized wood. The sum paid by the contractors, Rs. 3–15–0 per ton (67½ cubic feet) of sized wood and As. 12 per ton of unsized wood, was net profit to the department, as they made their own arrangements for felling and removing the trees. In Perambur tank-bed, 210 tons of babul wood were felled and trees of different species were also felled in some unreserved lands. Three hundred and fifty-eight tons of Mangrove wood were cut from the Voimodu block No. II.

Southern Circle.

In *North Malabar* 25 acres in the Kurchiyat reserve and a similar area in the Alathur reserve were clean felled. In *South Malabar*, 121 acres of the Karampoya reserve were clear felled by a contractor, at his own expense for teak planting. He gave Rs. 4,400 for the timber and bamboos removed from the area. Certain stunted and crooked trees in the Mudumalai forests in the *Nilgiris* were cut for local sales and supply of sleepers. Sandalwood roots were dug out in the Segur range. The Ootacamund and Coonoor blue-gum plantations were worked as usual in accordance with working-plans. In *South Coimbatore*, coupe No. 5 of Ayerangal Working Circle, which was not cut in 1900–1901 owing to the large stock of fuel on hand, was cut during the year in addition to the areas prescribed for felling as per working-plans.

(2) *Selection fellings.*

Northern Circle.

In *Ganjám* 2,000 cubic feet of sâl trees were supplied to the Ordnance Department and a few logs of *Pterocarpus marsupium* to the Public Works Department. Above 1,000 Xylia poles were felled in the *Gódávari* district for pit-props for graphite mines. As usual the departmental operations in *Kurnool* were confined to the supply of timber to depots. In *Bellary* 125 sandal trees were felled and converted into billets at a cost of Rs. 106. As in the previous years palmyra and babul trees were marked and sold *in situ* in *Anantapur*.

Central Circle.

In *North Arcot* no new contracts were entered into during the year, but 4,220 cubic feet of timber were removed during the year under one of the old ones. About 5,300 cubic feet of casuarina poles felled in the plantations were sold for mine-props. 289 cubic feet of sandalwood cut on the Javadi hills were sold at Vellore in auction. The bamboo areas in the Tiruvannámalai and Kallakurchi ranges, *South Arcot*, were leased out as usual. In *Trichinopoly*, 111,473 cubic feet of fuel were supplied to the Jail and the Boer camp.

Southern Circle.

Selection fellings were carried out over 900 acres in the Kuruchiyat reserve in *North Malabar*, while in *South Malabar*, the Chenab Nair, Attapadi and Silent Valley reserves were worked under the selection system. Timber was extracted from a block in *North Coimbatore* on the selection system and the Tekadi leased forests of the Tunacadavu range, *South Coimbatore* were similarly worked. In *Tinnevelly* selection fellings were confined to the Srívilliputtúr range. Trees offered for sale in the other ranges did not find buyers on account of the change introduced in the method of sale suggested in last year's report.

(3) *Improvement Fellings and* (4) *Coppice Fellings and Coppice with Standard Fellings.*

Northern Circle.

In the *Gódávari* district 208 acres in some reserves were worked under coppice with standards and in the Railway working circle in *Kistna*. In *Kurnool* five coupes aggregating 1,462 acres were worked under coppice with standards in addition to two coupes worked for fuel in two of the reserves.

Central Circle.

Two coupes in the Balapalle Working Circle, *Cuddapah*, and 140 acres in Settigunta reserve were treated under coppice with standards, the area being leased out. Eight coupes were worked departmentally in Cuddapah and Sidhout ranges for the supply of fuel and small timber for local demand. In *Chingleput* 16 coupes were sold to contractors to be worked under coppice with standards on similar conditions as in the previous year. No coupes were worked departmentally in *North Arcot* but 35 coupes were sold to contractors to be worked as coppice with standards. Seven regular coupes and three village coupes, 521 acres in all, were sold to contractors to be worked under this system in *South Arcot*, while five coupes in the Viyampatti range were similarly treated in *Trichinopoly*. In *Tanjore* three coupes of the Vettangudi reserve, 178 acres in extent, were felled during the year by a coupe contractor and realised Rs. 850 against Rs. 650 in the previous year for a similar area.

Southern Circle.

In *South Canara* Rs. 1,336 were realised from coupes given on contract for felling on the coppice with standard system. The Ayerangal, Chinnar and Singaratope Working Circles in *South Coimbatore* were worked under the above system. In *Madura*, 90 acres in the Cumbum range were worked departmentally under the modified permit system under which trees are cut flush with the ground at Government cost and permits issued for their removal, the price being the seigniorage rate, *plus* cost of felling. The method is reported to find favour with the people, but needs much supervision. Seven coupes in Palamedu and 14 in the Kanavoipatti range were sold standing, while ten were worked departmentally. In the deciduous forests of *Tinnevelly* coppice under standards was very successful. Other working circles were also treated under the same system, while simple coppicing was carried out in two reserves.

(5) *Unregulated Fellings.*

Northern Circle.

Felling and removal of produce under permits continues in almost all districts for produce mentioned in the previous reports. Selected poles and logs on demarcated lines and darkhast lands were cut and carted to the Russelkonda depot in the *Ganjám* district. In *Gódávari*, the removal of timber for commercial purposes was prohibited pending preparation of working-plans.

Central Circle.

In the bamboo blocks in the Chandragiri, Vellore and Polur ranges of *North Arcot*, permits were issued for the removal of bamboos. In *Tanjore* no unregulated fellings were permitted, but where felling was allowed on the permit system licenses were issued for dead wood and third-class timber only.

Southern Circle.

In *South Canara* Rs. 5,176 were realized from unregulated fellings against Rs. 3,936 in the previous year, the increase being due to the discontinuance of departmental operations in the Udipi range. In all Rs. 2,158 or Rs. 1,312 in excess of the previous year were obtained for fuel for sandalwood and cinnamon-oil stills and for the cinnamon leaves for distilling the oil. In *North Malabar* the usual system of permitting free removals by poor ryots was continued. As in the previous year, in *South Malabar*, contractors were allowed to cut bamboos for floating timber purchased by them.

6. Extraction and Transport of Major Forest Produce by Land and Water.

Northern Circle.

32. In *Gódávari*, it is proposed to construct a tramway between Samalkot and Yeleswaram and to have a short length of Callet's Mono-rail, to lessen the transport charges.

Central Circle.

In this circle, transport is chiefly done by country carts, ponies, coolies, donkeys, the railway, and in boats along the Buckingham canal and Pulicat lake.

Southern Circle.

In *South Canara*, some timber was shipped to Bombay from the sea-ports of Bunder and Gangoli. The steepness of the ghât slopes in many places renders the extraction of timber very difficult and expensive. There are, however, some rivers down which the timber is floated. The timber felled in *North Malabar* was all dragged to depots by elephants and the bamboos were floated down the streams. In *South Malabar*, there was no change in the mode of carriage of timber to depots.

Generally the usual means of transport of major forest produce in all districts are railways, country carts, ponies, donkeys, coolies and in places near streams or canals boats were used or the timber floated down. The present means of extraction and transport are admittedly inadequate and their improvements will result in enhanced revenue and general advantage.

7. Exploitation of Minor Forest Produce.

(1) *Extraction of Fodder.*

Northern Circle.

33. In *Kurnool*, Rs. 2,070 were realized by the sale of grass. Of this Rs. 1,450 were paid by a contractor for the right to distil oil from kussavu (*Andropogon Muricatus*) grass in certain ranges of the district. The revenue in *Bellary* under this head rose from Rs. 1,485 to Rs. 2,098 and that in *Anantapur* from Rs. 197 to Rs. 446. The increase in the latter district was due to higher price and better supervision and a portion of the fodder cut and stacked departmentally in it was sold at a profit.

Central Circle.

In *Chingleput*, nearly Rs. 82 were collected during the year for the removal of thatch grass. Though free removal of grass for hay-making purposes was permitted in some of the reserves, the ryots did not avail themselves of the concession on account of the inferior quality of the grass. In *Trichinopoly*, grass was allowed to be removed on permits except where the right of collection for a period of not more than a year was sold in auction. In *Tanjore*, no grass or hay was collected either departmentally or by purchasers.

Southern Circle.

In *South Canara*, Rs. 491 were collected by the sale of thatch grass against Rs. 570 in the previous year. In *South Malabar*, grass was sold only in the Chenab Nair reserve and fetched Rs. 77. Grass was removed on permits from all blocks in *South Coimbatore* except the Dhalli block.

(2) *Hay-making.*

34. In *Vizagapatam*, 300 maunds of hay were cut from the coupes felled in the previous year, out of which 70 maunds were sold for Rs. 4–6–0. The hay was made by the forest subordinates free of cost. Some fodder grass was cut and stacked departmentally in *Anantapur* at a cost of Rs. 84. Part of it was sold for Rs. 40 at a profit of Rs. 6. Forty tons of hay were collected from the various working circles in *Salem* and transported to depots at a total cost of Rs. 170–13–10 and each ton fetched between Rs. 6–4–0 to Rs. 7–8–0. The 12 tons collected from the Krishnagiri working circle were sold at a loss of Rs. 8. Two and a half tons of hay were sold to the English warehouse, Kolar, at Rs. 8 per ton. This attempt to find an outside market for the hay was not successful as the grass was too tough, having been cut late. In *the Nilgiris*, it was considered advisable to induce private parties to manufacture hay by giving them every facility for doing so. Consequently the Madras Mule-breeding Company was granted 2,500 acres in the Segur country on easy terms. It is proposed to close to grazing large areas in *North Coimbatore* and to convert into hay the grass contained therein. As good grass is rare in *Tinnevelly* no hay-making can be undertaken in that district. No hay-making operations were undertaken in any other district.

(3) *Grazing.*

35. The following statement compares the revenue derived from "grazing and grass removals" during the year with that of the previous year :—

Circle.	1900–1901.	1901–1902.	Difference.
	Rs.	Rs.	Rs.
Northern Circle	1,91,537	2,22,359	+ 30,772
Central „	2,35,732	2,35,118	— 614
Southern „	83,132	82,591	— 541
Total ..	5,10,451	5,40,068	+ 29,617

There is an increase in the Northern Circle, especially in Kurnool and Anantapur, due to the large number of permits taken out, but in the other two Circles there is a decrease due to the larger number of cattle permitted to graze free owing to the unfavourable season.

In *Gódávari* a fee of As. 8 per buffalo and As. 4 per bullock was charged on Delta cattle taken to graze in the Agency tracts. The system followed in *Cuddapah* of permitting cattle covered by a permit to graze in any forest in the district continued during the year. In *Nellore*, there was a decrease of Rs. 5,000 attributed to laxity of supervision. The decrease of Rs. 10,619 in *North Arcot* was only nominal since permits were issued for the six months ending 30th June 1902 at half the rates, (the permits issued in 1901 having expired by 31st December 1901), so that fresh permits at full rates might be issued for the forest year 1902–1903. In all the districts the rates charged were the same as in the previous year.

(4) *Miscellaneous Produce.*

36. The collection of miscellaneous produce was very generally leased out to contractors in the usual way.

Northern Circle.

The indent for 200 maunds of Kamela powder (*Mallotus philippinensis*) in *Ganjám* referred to in the last report was not repeated this year as the indenting firm was not able to open up a trade in this product. For want of bidders, the minor produce of the Agency tract in *Vizagapatam* was collected departmentally and fetched Rs. 9,045 against Rs. 6,598 of the previous year. Fees were levied on the exported minor produce from the Agency tracts in the *Gódávari* district. Excluding Rs. 13,754 collected by Revenue Officers on account of the usufruct of trees on unreserved lands, Rs. 24,875 was collected in all. Rs. 4,000 was also realized on the plumbago shipment made by the Gódávari Coal Company through a Cocanada firm, excluding surface rent amounting to Rs. 1,073. The Chenchus, as usual, enjoyed free all minor produce in the Nallamalais in *Kurnool*. Elsewhere in the district minor fruit sales realised Rs. 8,351 against Rs. 1,297 in the previous year and the total revenue collected during the year under this head was Rs. 36,892.

Central Circle.

In *North Arcot*, 134½ maunds of Divi Divi pods were collected departmentally and sold for Rs. 96, while in *Trichinopoly* no purchasers were found for this produce.

Southern Circle.

In *South Canara*, 15 tons 700 lb. of catechu, manufactured at a cost of Rs. 232 per ton, sold at Rs. 702 per ton for Rs. 10,714 as against 18 tons 1,551 lb. for Rs. 11,978 in the previous year. Fifteen maunds of wood-oil were extracted at a cost of Rs. 25–0–10, of which 7 maunds were sold at Rs. 12 per maund. Nine maunds and 24 lb. of cardamoms were collected at a cost of Rs. 430 and sold at a loss of nearly Rs. 300, owing to the neglect or corruption of subordinates. In *North Malabar*, minor produce was collected departmentally at a cost of Rs. 1,086 and realised Rs. 1,340. Rs. 4,672 were realized by the departmental collection of minor produce in three ranges of *South Coimbatore* against Rs. 4,622 in the previous year. The revenue realised by the removal on permits of manure leaves, thatching grass, stones, etc., in *Madura* was Rs. 8,052 against Rs. 7,185 of the previous year, the increase being due to the greater demand for manure leaves, the result of more lands having been brought under cultivation under the Periyár irrigation. Rs. 8,768 were obtained as rent for the sholas in the Lower Palnis leased out for cardamom cultivation against Rs. 6,155 in the previous year.

CHAPTER III.—GROSS YIELD AND OUTTURN OF FOREST PRODUCE.

37. The subjoined abstract shows the total outturn of timber and other produce collected during the year as compared with that of the previous year :—

ABSTRACT I.—Comparative yield as per Forms Nos. 55, 56, 72A and 72B.

—	Timber (in cubic feet) including sandalwood (at 40 cubic feet a ton).		Fuel (in cubic feet) (at 40 cubic feet a ton).		Bamboos (in numbers).		Minor produce (gross value in rupees).	
	1900–1901.	1901–1902.	1900–1901.	1901–1902.	1900–1901.	1901–1902.	1900–1901.	1901–1902.
1	2	3	4	5	6	7	8	9
By Government Agency ..	568,039	389,361	3,052,275	3,965,439	318,782	49,709	43,142	38,863
By purchasers (including confiscations)	2,586,246	2,760,175	11,162,236	10,941,206	29,421,494	38,726,111	10,05,958	11,07,541
By free grants	67,489	60,621	351,343	354,199	196,964	420,934	2,431	4,361
By right-holders	1,671	1,731	257,544	257,709	21,314	20,864	40,149	40,463
Total ..	3,223,445	3,211,888	14,823,398	15,518,553	29,958,554	39,217,618	10,91,680	11,91,228
Increase or decrease in 1901–1902 as compared with 1900–1901	..	— 11,567	..	+ 695,155	..	+9,259,064	..	+ 99,548
Percentage of increase or decrease over the previous year	..	— ·4	..	+ 4·7	..	+ 38·9	..	+ 9

The results show an increase under all heads except *Timber*. The causes for the difference are given below :—

Section I.—Departmental Operations.

38. The following abstract shows the produce collected and disposed of departmentally during 1901–1902 as compared with the previous year's return :—

Produce collected.	During 1900–1901.			During 1901–1902.		
	Quantity.	Cost.	Average.	Quantity.	Cost.	Average.
1	2.	3	4	5	6	7
		RS.	RS. A. P.		RS.	RS. A. P.
Timber .. .. C. ft.	562,218	1,49,170	0 4 3	385,462	58,280	0 2 6
Fuel .. .. ,,	3,052,275	1,27,214	0 0 8	3,965,639	1,96,630	0 0 9
Bamboos .. .. No.	318,782	8,449	0 0 5	49,709	1,348	0 0 5
Sandalwood .. .. C. ft.	5,821	7,545	1 4 9	3,899	7,338	1 14 1
Minor produce .. .. Mds. (25 lb.)	39,049	20,899	0 8 7	32,060	20,960	0 10 5
Total ..	..	3,13,277	..	..	2,84,556	..

Produce disposed of.	During 1900–1901.			During 1901–1902.			Stock on 1st July 1901.	Stock on 30th June 1902.
	Quantity	Cost.	Average.	Quantity.	Cost.	Average.		
	8	9	10	11	12	13	14	15
		RS.	RS. A. P.		RS.	RS. A. P.		
Timber .. .. C. ft.	766,693	2,77,285	0 5 10	377,571	1,46,352	0 6 2	* 561,944	569,835
Fuel .. .. .. ,,	3,107,002	2,12,429	0 1 1	4,019,822	2,96,357	0 1 2	938,423	884,240
Bamboos .. .. No.	279,353	7,821	0 0 5	123,795	2,162	0 0 3	87,892	13,806
Sandalwood .. .. C. ft.	5,819	41,208	7 1 4	4,228	21,432	5 1 1	1,164	835
Minor produce Mds. (25 lb.)	35,970	47,195	1 5 0	34,758	40,663	1 2 9	* 21,137	18,439
Total ..	..	5,85,938	..	..	5,06,966	..	..	..

* Revised figure.

Compared with the collection of the previous year the total quantity collected departmentally under all heads shows a decrease except under *Fuel*. The decrease under *Timber* is noticeable particularly in *Ganjám*, *South Canara* and *South Malabar* and is somewhat counterbalanced by increase chiefly in *Bellary* and *Cuddapah*. In *Ganjám* the decrease is accounted for by the change of practice during the year in classifying the sale of standing trees on darkhast lands under removals by purchasers instead of under collections and sale by departmental agency as previously. In *South Canara* and *South Malabar* the cessation of departmental sleeper operations and the absence of selection fellings in a coupe of the latter district account for the decrease. The increase in *Bellary* was due to felling operations having been fully carried out as per sanctioned working-plans, while that in *Cuddapah* arose from the collection of redwood roots and stumps and of small timber from fuel coupes in two taluks.

Under *Fuel* there was a marked increase, chiefly in *Vizagapatam*, *Gódávari*, *Kistna*, *Kurnool*, *Cuddapah*, *Salem*, *Trichinopoly*, *Tanjore*, *the Nilgiris*, *South Coimbatore* and *Madura* partly counterbalanced, however, by decrease mainly in *Nellore*, *South Canara* and *South Malabar*. The increase in *Vizagapatam* was due to a larger demand by the Railway Company and the Jail Department, that in *Godavari* and in *Kistna* to supplies to railway, the requirements of to a private company and to the depots at Bezwada. The demand for fuel from the Southern Mahratta Railway and the Kurnool water-works caused the increase in *Kurnool*, while that in *Cuddapah* was due to departmental collections in coupes opened for Cuddapah fuel supply. The increase in *Salem* was the result of a more extended scale of supply to the Madras Railway Company, to the Salem sale depots and to other public departments. The demand for fuel by the Boer camp in *Trichinopoly* and by the South Indian Railway in *Tanjore* was the cause of increase in those districts. In the *Nilgiris* it was due to greater demand for fuel in the towns of Coonoor and Ootacamand and to the railway taking a regular quantity every month at the former station. The increase in *South Coimbatore* was due to the carrying out of felling operations fully in all the working circles. The increase in *Madura* was the outcome chiefly of the supply of fuel to the Railway Company from the Kanavoipatti range coupe. The decrease in *Nellore* was due to the sale of standing trees in most of the coupes to contractors direct instead of felling them departmentally, that in *South Canara* to the washing away of a large number of casuarina trees by the sea from the Tannirbhavi plantation, and that in *South Malabar* arose from the cessation of sleeper operations which hitherto yielded fuel in the slabs.

Under *Bamboos* the decrease occurred mainly in *South Malabar* and *North Coimbatore*, due in the former district to non-floating of timber to Beypore for supply of sleepers and in the latter to the stoppage of departmental collections in favour of removals by purchasers, the demand being beyond what the department could supply.

Under *Sandalwood* the decrease occurred mainly in *Bellary* and *North Coimbatore*. In the former district, want of establishment to supervise the work is reported to be the cause, while in the latter it was due to the small number of trees containing scented wood.

Under *Minor produce* the decrease occurred mainly in *South Arcot* and *North Coimbatore* partly counterbalanced by increase chiefly in *Bellary* and *Salem*. In *South Arcot* the decrease was due to there being no supply of thorns to the Salt Department as in the previous year, and that in *North Coimbatore* arose from bad crop. The increase in *Bellary* was due to supply of thatch grass to the Bellary Municipality for plague sheds and that in *Salem* to the collection of hay on a more extensive scale during the year as an experimental measure.

Under *disposals* the total quantity shows a decrease under all heads except *Fuel*. The decrease under *Timber* occurred chiefly in *Ganjam*, *Bellary*, *South Canara*, *North Malabar*, *South Malabar* and *the Nilgiris*. There was, however, a noticeable increase principally in *South Coimbatore*. The decrease in *Ganjám* is explained by the quantity of timber disposed of on darkhast lands being smaller than in the preceding year, while that in *Bellary* is said to arise from measuring the poles differently. The cessation of sleeper operations in *South Canara* and the low rates offered for timber cut in the previous year in *North Malabar* account for the decrease in those districts.

The shortage under *Collections* in *South Malabar* explains the decrease under *Disposal*. In the *Nilgiris* it was attributed to the establishment having been engaged in the supply of teak sleepers to the Southern Mahratta Railway. The increase in *South Coimbatore* was mainly due to the inclusion of a quantity of timber written off the accounts and that used departmentally during the year.

The disposals under *Fuel* show an increase, *Vizagapatam*, *Gódávari*, *Kistna*, *Kurnool*, *Nellore*, *Chingleput*, *Salem*, *Trichinopoly*, *Tanjore* and *South Coimbatore* being chiefly responsible for it. On the other hand there were decreases mainly in *North Arcot* and *South Malabar*. The supply of fuel to the Railway Company and to the Jail Department in *Vizagapatam* and the supply of lighting fuel to the railway from the Coringa reserve in the *Gódávari* district were the causes for increase in those districts. In *Kistna*, *Kurnool*, *Salem*, *Trichinopoly* and *Tanjore* the increase was due to the causes already explained under *collections*. In *Nellore* the sale of the previous year's stock during the year accounted for the increase, which in *Chingleput* it was due to supplies made to the Ordnance Department and Conjeeveram water-works. The decrease in *North Arcot* was due to the absence of the usual demand for fuel from the Superintendent, Central Jail, who had obtained and stored during the previous year the quantity required for the year under report, and that in *South Malabar* to causes already explained under *collection*.

Under *Bamboos* the disposals show a decrease mainly in *North Coimbatore*, due to causes explained under *collections*. The decrease under *Sandalwood* arose from failure to sell in England the wood exported through the agency of Messrs. Pierce, Leslie & Co.

Under *Minor produce* the disposals exhibit a decrease principally in *South Arcot* and *North Coimbatore*, partly counterbalanced by increase chiefly in *Bellary*, which has been explained under *collections*. As regards cost of collection, there was an increase under all heads except *Timber* and *Bamboos*. The lower rate under *Timber* was due to the absence during the year of any charges in connection with sleeper operations in *North Malabar* and *South Coimbatore*. The increase in the case of fuel is small and calls for no remark.

Under *Sandalwood* the higher rate is reported to be mainly due to a very large percentage of apparently matured trees in *North Coimbatore* giving no heartwood and to excessive transport charges incurred on account of them.

The increased rate under *Minor produce* arose out of large expenditure incurred principally in *South Arcot*, *North Coimbatore*, *South Coimbatore* and *North Malabar*. In *South Arcot* a large quantity of thorns for the Salt Department was collected in the previous year at a small cost. The higher rate in *North Coimbatore* is said to be due to the inefficient control of certain subordinates who were punished for the same and that in *South Coimbatore* and *North Malabar* to the large collection of more valuable minor produce, such as cardamoms, gallnuts, &c., made during the year as compared with the collection of the previous year.

The average rates of sales show a decrease under all heads except *Timber* and *Fuel*. The increase under *Timber* was due mainly to the low price realized in the previous year in *North Malabar* on account of the wastage incurred in sawing sleepers and to the collection of revenue from sleepers supplied to the railway and referred to in the previous year's report.

Under *Fuel* the increase is small and calls for no remark. The decrease under *Bamboos* was due to the sale of previous year's stock in *South Malabar* for a very low price for want of demand and from the Police and Ordnance Departments requiring no tent poles, lance-staves or lathis; that under *Sandalwood* was due to low prices realized for the wood in *Salem* on account of absence of demand and to non-sale of the wood in *North Coimbatore* exported to England through the agency of Messrs. Pierce, Leslie & Co. The decrease under *Minor produce* was due mainly to bad crop of the year, chiefly in *North Coimbatore*.

Section II.—Removal by Purchasers.

39. The subjoined abstract shows the quantity and value of timber and other produce removed by purchasers during the year under review as compared with the return of the preceding year:—

(FORM No. 72 A.)

ABSTRACT K.—Produce removed by purchasers.

	During 1900–1901.			During 1901–1902.		
	Quantity.	Amount of sales.	Average.	Quantity.	Amount of sales.	Average.
Northern Circle.		RS.	RS. A. P.		RS.	RS. A. P.
Timber .. .. .. C. ft.	1,408,258	1,78,087	0 2 0	1,382,044	1,26,256	0 1 6
Firewood .. .. .. ,,	2,776,511	58,424	0 0 4	3,157,031	62,903	0 0 4
Bamboos .. .. .. No.	13,624,373	66,422	0 0 1	19,811,602	94,491	0 0 1
Grass and grazing	..	1,92,244	..	..	2,22,359	..
Minor produce	..	2,04,645	..	..	2,38,598	..
Total ..	..	6,99,822	..	..	7,44,607	..
Central Circle.						
Timber .. .. .. C. ft.	654,498	53,216	0 1 4	791,949	62,004	0 1 3
Firewood .. .. .. ,,	3,879,755	1,45,150	0 0 8	4,349,158	1,61,424	0 0 7
Bamboos .. .. .. No.	12,673,695	58,210	0 0 1	12,415,549	62,370	0 0 1
Grass and grazing	..	2,35,331	..	..	2,34,667	..
Minor produce	..	2,19,851	..	..	2,18,439	..
Total ..	..	7,11,758	..	..	7,38,904	..
Southern Circle.						
Timber .. .. .. C. ft.	447,445	42,755	0 1 6	423,763	52,104	0 1 11
Firewood .. .. .. ,,	4,429,218	1,02,789	0 0 4	3,394,268	1,09,369	0 0 6
Bamboos .. .. .. No.	3,088,308	18,908	0 0 1	6,459,578	25,852	0 0 1
Grass and grazing	..	83,132	..	..	82,591	..
Minor produce	..	69,770	..	..	1,10,126	..
Total ..	..	3,17,354	..	..	3,80,042	..
Presidency Total. Timber .. .. C. ft.	2,510,201	2,74,058	0 1 9	2,597,756	2,40,364	0 1 6
Presidency Total. Firewood .. ,,	11,085,484	3,06,363	0 0 5	10,900,457	3,33,696	0 0 6
Presidency Total. Bamboos .. No.	29,386,376	1,43,540	0 0 1	38,686,729	1,82,713	0 0 1
Presidency Total. Grass and grazing ..	..	5,10,707	..	..	5,39,617	..
Presidency Total. Minor produce	..	4,94,266	..	..	5,67,163	..
Grand Total of Sales ..	..	17,28,934	..	..	18,63,553	..

The total value of removals by purchasers shows a net increase of Rs. 1,34,619 over that of the previous year as shown in the margin. The increase occurred under all classes of produce except *Timber*.

	RS.
Timber ... ... —	33,694
Fuel ... ... +	27,333
Bamboos ... ... +	39,173
Grass and grazing ... ... +	28,910
Minor produce ... ... +	72,897
Total .·. +	134,619

Under *Timber*, there was a noteworthy decrease chiefly in *Godávari*, partly counterbalanced by increase mainly in *Ganjám* and *Salem*. The stoppage of the issue of permits for timber on unreserved lands in Bhadráchalam pending removal of the stock already felled and the comparatively low rates obtained for the produce in the year account for the decrease in *Gódávari*. The increase in *Ganjám* was due to timber sold on darkhast lands having been classified under *removals* by purchasers instead of under departmental collections as in the previous year, and partly to extensive removals of dead sâl timber. In *Salem* larger prices realized for trees on darkhast lands account for the increase.

Under *Fuel* the increase occurred chiefly in *Gódávari*, *Kurnool*, *Nellore*, *South Coimbatore* and *Tinnevelly* partly counterbalanced by decrease in *North Arcot*. The increase in *Godávari* was due to brisk demand, in *Kurnool* to increased receipts from sale of growth on patta lands for which there was an unusual demand. Fuel was also in request for the sugarcane mills at Nandyal. In *Nellore* the increase is due to the sale of coupes standing instead of working them departmentally, in *South Coimbatore* to better prices realized by leasing out certain coupes, and in *Tinnevelly* to the sale of standing growth of babul (*Acacia arabica*) and odai (*Acacia Latronum*)

trees in certain coupes which secured very good prices. The decrease in *North Arcot* is reported to result from the abolition of the system of leasing out dead trees for fuel and to the sale of a smaller number of coupes owing to absence of demand.

The increase under *Bamboos* occurred chiefly in *Godávari* and *South Coimbatore*. Large demand from sugarcane planters accounted for the increase in *Godávari*, while in *South Coimbatore* it was due to the leasing of bamboo coupes in the Chinnar Working Circle and to the reduction of the rate for dry bamboos.

The variations under Grazing have been already explained in paragraph 35.

Under *Minor produce* the increase occurred mainly in *Godávari*, *Bellary*, *Nellore*, *South Arcot*, *Salem*, *South Canara* and *Tinnevelly*. The increase was partly counterbalanced by decrease principally in *Kistna*, *Cuddapah*, *North Arcot* and *Trichinopoly*. In *Godávari* the increase was due to an exceptionally good crop, in *Bellary* to sale of Rela (*Cassia fistula*) bark, and to better arrangements made for the disposal of minor fruits, in *Nellore* to larger realization from mica, in *South Arcot* to the realization of better prices for all kinds of produce, in *Salem* to sale of several mining leases and in *South Canara* to the amounts from sale of minor produce for 1901 and 1902 having been credited in the year and in *Tinnevelly* the receipts included revenue of other years.

The decrease in *Kistna* has not been explained, while that in *Cuddapah* is ascribed to low prices realized for the leases of tanning barks, in *North Arcot*, to the inclusion of the lease amounts of certain blocks sold for three years, in the figures of 1900–1901 and in *Trichinopoly* to the slack demand for avaram bark and to poor tamarind crop.

40. The following statement shows the comparative cost of departmental and private workings and the net profit derived under each system:—

Items.	Measure.	Quantity sold.	Amount of sale-proceeds.	Charges.			Net profit or loss.	Rate of net profit (column 8 ÷ column 3) per measure in column 2.
				A. Conservancy and works.	B. Establishment and contingencies.	Total.		
1	2	3	4	5	6	7	8	9
			Rs.	Rs.	Rs.	Rs.	Rs.	Rs. A. P.
Departmental Working—								
Timber	C.ft.	377,571	1,46,352	58,280	43,978	1,02,258	+ 44,094	+0 1 10
Fuel	,,	4,019,822	2,96,357	1,96,630	1,48,376	3,45,006	— 48,649	—0 0 2
Bamboos	No.	123,795	2,162	1,348	1,017	2,365	— 203	..
Sandalwood	C.ft.	4,228	21,432	7,338	5,537	12,875	+ 8,557	+2 0 5
Minor produce	Mds.	34,758	40,663	20,960	15,816	36,776	+ 3,887	+0 1 10
Private Working—								
Timber	C.ft.	2,597,756	2,40,364	13,679	27,696	41,375	+1,98,989	+0 1 3
Fuel	,,	10,900,457	3,33,696	18,990	38,449	57,439	+2,76,257	+0 0 5
Bamboos	No.	36,686,729	1,82,713	10,399	21,053	31,452	+1,51,261	+0 0 1
Grazing	..	..	5,39,617	30,710	62,176	92,886	+4,46,731	..
Minor produce	..	..	5,67,163	32,278	65,350	97,628	+4,69,535	..

The rate of profit realized by working Timber departmentally was in excess of that under *private agency*. This increased profit was due mainly to the cause mentioned in paragraph 38. Fuel and Bamboos, however, showed a loss. The loss under *Fuel* was due chiefly to low prices obtained for fuel in *Vizagapatam* and *Cuddapah*, to small realizations in *South Canara* for casuarina trees washed out by the sea from the Tannirbhavi plantation, to slack demand from breweries for charcoal in the *Nilgiris*, to absence in *North Arcot* of the usual demand from the Ordnance and Police Departments for lance staves, tent poles and lathis and the abandoning departmental collection in *North Coimbatore* in favour of removals by purchasers as the demand was greater than could be coped with by the department. The decrease under *Sandalwood* as compared with the previous year was due the cause explained under 'Disposals' in *North Coimbatore* and to low prices secured for sandalwood in *Salem*. The decrease in the rate for minor produce is the result chiefly of poor crop during the year.

41. The sales of confiscated produce during the year under report as compared with those of the previous year are recorded in the subjoined abstract:—

(FORM No. 72-B.)

ABSTRACT L.—*Confiscations, &c.*

	During 1900–1901.			During 1901–1902.		
	Quantity.	Value.	Average.	Quantity.	Value.	Average.
Northern Circle.		RS.	RS. A. P.		RS.	RS. A. P.
Timber .. .. C. ft.	63,717	6,178	0 1 7	140,391	9,703	0 1 1
Firewood .. .. .. ,,	43,731	559	0 0 2	9,123	211	0 0 4
Bamboos .. .. No.	12,159	55	0 0 1	27,703	112	0 0 1
Minor produce .. Money value.	..	606	..	..	233	..
Total ..	..	7,398	..	..	10,259	..
Central Circle.						
Timber .. .. C. ft.	3,103	1,134	0 5 10	12,476	1,971	0 2 6
Firewood .. .. .. ,,	9,997	832	0 1 4	4,328	279	0 1 0
Bamboos .. .. No.	8,157	144	0 0 3	8,617	68	0 0 2
Minor produce .. Money value.	..	227	..	..	428	..
Total ..	..	2,337	..	..	2,746	..
Southern Circle.						
Timber .. .. C. ft.	9,225	2,178	0 3 9	9,552	1,513	0 2 6
Firewood .. .. .. ,,	23,024	935	0 0 8	27,298	1,008	0 0 7
Bamboos .. .. No.	14,802	160	0 0 2	3,062	22	0 0 1
Minor produce .. Money value.	..	152	..	..	100	..
Total ..	..	3,425	..	..	2,643	..
Presidency Total.						
Timber .. .. C. ft.	76,045	9,490	0 2 0	162,419	13,187	0 1 4
Firewood .. .. .. ,,	76,752	2,326	0 0 6	40,749	1,498	0 0 7
Bamboos .. .. No.	35,118	359	0 0 2	39,382	202	0 0 1
Minor produce .. Money value.	..	985	..	..	761	..
Grand Total ..	..	13,160	..	..	15,648	..

The amounts realized by sales show an increase of Rs. 2,488 which occurred mainly in *Gódávari*, where more drift timber was seized.

42. The following abstract statement shows the quantity and value of produce removed by right-holders and free-grantees:—

	Timber.		Fuel.		Bamboos.		Minor produce.	Grazing.	Total value.
	Cubic feet.	Value.	Cubic feet.	Value.	Number.	Value.	Value.	Value.	
By Right-holders.		RS.		RS.		RS.	RS.	RS.	RS.
Northern Circle	1,311	94	257,510	4,828	20,489	128	38,450	1,481	44,981
Central ,, ...	..	..	..	..	..	..	..	356	356
Southern ,, ...	420	38	199	11	375	1	3	673	726
Total ..	1,731	132	257,709	4,839	20,864	129	38,453	2,510	46,063
By Free-grantees.									
Northern Circle	21,404	2,159	925	21	63,625	318	82	2,399	4,979
Central ,, ...	30,383	2,324	345,279	5,413	345,725	975	441	1,437	10,590
Southern ,, ...	8,834	1,828	7,995	312	11,584	110	2	..	2,252
Total ..	60,621	6,311	354,199	5,746	420,934	1,403	525	3,836	17,821

The increase under *right-holders* was due chiefly to enhanced grazing fees in the Nallamalai Hills inside Sim's line in the *Kurnool* district. In most of the districts free grants were made to poor ryots for rebuilding houses destroyed by fire. Free removal of grass and fuel was allowed in portions of *North Arcot* affected by drought. In *Bellary* 400 cart-loads of stone were allowed from unreserved lands for the construction of a well for the use of the public in Harpanahalli Range.

CHAPTER IV.—FINANCIAL RESULTS.

43. In the subjoined table the financial results of the year under review by circles are compared with those of the previous year and with the average of the five preceding it. During the year there was a net increase of Rs. 44,790 over the previous year's return and Rs. 1,56,228 over the average yearly surplus since 1895 :—

—	Years.					Average per year.	1900-1901.	1901-1902.
	1895-96.	1896-97.	1897-98.	1898-99.	1899-1900.			
Revenue.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
Northern Circle	7,23,859	5,97,422	5,99,670	6,14,046	7,13,954	6,49,790	7,79,146	8,86,581
Central ,, ...	9,39,733	9,48,547	8,88,834	8,73,772	9,63,093	9,22,796	9,34,847	10,22,586
Southern ,, ...	5,04,038	6,42,948	6,62,610	5,67,436	6,36,460	6,06,698	7,29,780	5,87,327
Total ..	21,67,630	21,88,917	21,51,114	20,75,254	23,13,507	21,79,284	24,43,773	24,96,494
Expenditure A "Conservancy and Works."								
Northern Circle	1,68,443	2,42,025	2,06,027	1,98,750	2,29,397	2,08,928	2,13,108	2,31,660
Central ,, ...	2,79,773	3,06,570	2,78,206	2,48,912	2,85,449	2,79,782	2,76,620	3,20,428
Southern ,, ...	2,64,609	2,79,605	2,84,977	3,20,139	3,17,555	2,93,377	3,86,322	3,35,137
Total ..	7,12,825	8,28,200	7,69,210	7,67,801	8,32,401	7,82,087	8,76,050	8,87,225
Expenditure B Establishments.								
Northern Circle	2,15,434	2,23,255	2,61,999	2,59,525	2,65,661	2,45,175	2,57,146	2,58,497
Central ,, ...	2,81,222	2,78,212	2,78,281	2,81,023	2,94,553	2,82,658	3,14,479	3,10,844
Southern ,, ...	2,59,507	2,58,210	2,78,999	2,83,800	2,95,581	2,75,219	2,90,515	2,89,555
Total ..	7,56,163	7,59,677	8,19,279	8,24,348	8,55,795	8,03,052	8,62,140	8,58,896
Total of A and B.								
Northern Circle	3,83,877	4,65,280	4,68,026	4,58,275	4,95,058	4,54,103	4,70,254	4,90,157
Central ,, ...	5,60,995	5,84,782	5,56,487	5,29,935	5,80,002	5,62,440	5,91,099	6,31,272
Southern ,, ...	5,24,116	5,37,815	5,63,976	6,03,939	6,13,136	5,68,596	6,76,837	6,24,692
Total ..	14,68,988	15,87,877	15,88,489	15,92,149	16,88,196	15,85,140	17,38,190	17,46,121
Net results.								
Northern Circle	+ 3,39,982	+ 1,32,142	+ 1,31,644	+ 1,55,771	+ 2,18,896	+ 1,95,687	+ 3,08,892	+ 3,96,424
Central ,, ...	+ 3,78,738	+ 3,63,765	+ 3,32,347	+ 3,43,837	+ 3,83,091	+ 3,60,356	+ 3,43,748	+ 3,91,314
Southern ,, ...	— 20,078	+ 1,05,133	+ 98,634	— 16,503	+ 23,324	+ 38,102	+ 52,943	— 37,365
Total ..	+ 6,98,642	+ 6,01,040	+ 5,62,625	+ 4,83,105	+ 6,25,311	+ 5,94,145	+ 7,05,583	+ 7,50,373

The gross receipts exceeded those of the previous year by Rs. 52,721 and the total expenditure was greater by Rs. 7,931. The increase under receipts was distributed over the Northern and Central Circles, but was partly reduced by a decrease of Rs. 1,42,453 in the Southern Circle. The expenditure increased in the Northern and Central Circles by Rs. 19,903 and Rs. 40,173, respectively, while there was a less expenditure of Rs. 52,145 in the Southern Circle. The net result in the Southern Circle shows a deficit due to causes noted below. The outstanding revenue due to the department at the close of the year under review was Rs. 1,73,311 against Rs. 2,03,712 at its commencement. The variations under the several heads of revenue and expenditure during the past two years are explained below :—

RECEIPTS.

(i) *Departmental Agency.*

Timber — *Rs.* 1,30,933—Due mainly to the cessation of sleeper operations in *South Canara* and *South Malabar*.

Fuel + *Rs.* 83,928—Due to (1) supply of lighting fuel to the Railway Company in *Gódávari* and *Kistna*, and to the supply made from the latter district to the West Patent Press Company, (2) demand for fuel from the Southern Mahratta Railway in

Kurnool and *Bellary*, (3) the sale during the year of unsold wood of the previous year in *Nellore*, (4) increased supply of fuel to the railway and of fuel and agricultural implements for local consumption and (5) supply of a large quantity of fuel to the Boer Camp in *Trichinopoly* and of Mangrove fuel from *Tanjore* to the South Indian Railway for the Kulikarai brickfield.

Bamboos — *Rs.* 5,659—Due mainly to (1) absence in *North Arcot* of the usual demand from the Ordnance and Police Departments for tent poles, lance staves and laths, and (2) the giving up of the departmental collection in *North Coimbatore* in favour of removals by purchasers.

Sandalwood — *Rs.* 19,776—Due principally to the stoppage of local sales, consignments having been shipped to the European market and to a large percentage of trees, apparently mature, giving no heartwood.

Minor produce —*Rs.* 6,532.—The decrease occurred chiefly in *North Coimbatore* where the crop was exceedingly poor.

(ii) *Removals by Purchasers.*

Timber — *Rs.* 39,925. — The decrease occurred mainly in *Gódávari*, partly counterbalanced by increase chiefly in *Ganjám* and *Salem*. Stoppage of the issue of permits in Bhadrachalam for timber on unreserved lands pending removal of the stock already felled and better rates realized in the previous year account for the decrease in *Gódávari*. The increase in *Ganjám* was due to timber on darkhast lands being included under this head instead of under departmental removals and partly to the extensive removals of dead sâl timber and that in *Salem* to larger receipts from trees on darkhast lands.

Fuel + *Rs.* 8,726—Due mainly to sale of the standing growth in the casuarina plantations and Sriharikóta in the *Nellore* district.

Bamboos + *Rs.* 27,699.—The increase is mainly in *Gódávari* where there was an unusual demand from sugarcane planters.

Grazing + *Rs.* 29,617.—The reason for increase is explained in paragraph 35.

Other produce + *Rs.* 94,984.—The increase is principally due to (1) exceptionally good crop of various items of minor produce in *Gódávari*, (2) the collection of revenue during 1901–1902 on tangedu bark sales for 1902–1903 and to a good crop of minor fruits in *Kurnool*, (3) better bids for minor fruits and babul pod sales in *Anantapur*, (4) the larger realisation from Mica in *Nellore*, (5) better prices secured for the forest produce in *South Arcot*, and (6) crediting of the revenue of other years in *Tinnevelly* to the year under report.

(iii) *Miscellaneous.*

Revenue + *Rs.* 10,592.—This is due to revenue realised from drift wood in *Gódávari*, from mining leases in *Salem* and rent from the lessees of the padugais of the Udaiyárpálaiyam range in *Trichinopoly*.

EXPENDITURE.

A. Conservancy and Works.

It shows an excess of Rs. 11,175 over the previous year's actuals, due mainly to (1) supply of fuel from *Kurnool* to the Southern Mahratta Railway Company, (2) extensive departmental operations in *Salem* in consequence of the introduction of the working plans and partly to the increased cost of delivery of fuel to the Railway Company owing to the longer distance from which it had to be brought, (3) the felling and supply of a large quantity of fuel to the Boer Camp in *Trichinopoly*, (4) the supply of fuel to the Railway Company from the Kanavoipatti range coupe in *Madura*, and (5) the opening out of more cart-tracks and the maintenance of existing ghât roads in *North Coimbatore*.

B. Establishments.

The cost of establishment decreased by Rs. 3,244 owing to the reduction in the staff of Forest Settlement-officers and to a number of officers having been on deputation or on long leave to Europe.

Revenue.—Salem heads the list by contributing 19 per cent. of the net surplus. *Gódávari* stands next with 15 per cent. followed by *Nellore* 14 per cent., *Kurnool* 12 per cent., *Bellary* 11 per cent., and *Kistna* 10 per cent.

CHAPTER V.—ADMINISTRATION.

44. *Realization of revenue from the usufruct of toddy-yielding trees from Government waste and poramboke lands.*—The revenue under this head continued to be small in *Ganjám* and *Vizagapatam*, but in *Gódávari* Rs. 5,565 were realized during the year. The tree-tax system was in force in *Bellary* and *Anantapur* and there was an increase in the revenue realized in those districts during the year. In *Cuddapah* and *North Arcot*, the fixed fee system continued and the revenue collected was Rs. 7,292 and Rs. 5,171, respectively. The special rate of one anna for palmyra and Re. 1 for cocoanut trees continued to be charged in *Nellore*. In *South Arcot* the toddy-yielding trees were excluded from the operation of the minor forest produce leases and a sum of Rs. 1,363 was realized as tree-tax. There was no collection under this head in *Malabar*, *South Coimbatore* and *Madura* for reasons mentioned in the last report. In *Tinnevelly*, the fixed fee system was replaced by auctions. Ten years' leases are being extended to the reserved forests, as they were found more suitable.

45. *Measures adopted to encourage the growth of manure-leaf yielding trees and shrubs.*—In the Northern Circle, no steps were taken in this direction for reasons explained in the last report. In the Central Circle no steps were taken to encourage their growth except in *North Arcot* and *Tanjore*. In *North Arcot* seeds of avaram and kolingi were sown in blanks in several reserves but only on a small scale owing to unfavourable season. In *Tanjore*, seeds of several species sown in reserves germinated well, but the seedlings withered and died owing to bad weather. In *Cuddapah* and *Chingleput*, the supply in reserves and unreserves was adequate to meet the demand, while in *Nellore* no demand is reported to exist. In the Southern Circle, the demand in *South Malabar* and *South Coimbatore* was met with from private and unreserved lands, respectively. In *North Coimbatore*, Pungam (*Pongamia glabra*) was removed from the list of reserved trees to enable the ryots to use it for manure-leaves and the free removal of Kolingi (*Tephrosia purpurea*) was allowed from unreserved lands. The sanctioned working-plans in *Madura* provided for the supply of manure-leaves. In *Tinnevelly* a further experiment in sowing *Tephrosia purpurea* in Gangaikondan reserve proved a total failure owing to dry climate and poor soil, but the result of the sowing in the compound of the District Forest-office is reported to be satisfactory.

46. *Supply of forest produce to meet the wants of the people.*—In *Vizagapatam*, several permit-issuing stations were opened and the people felt no difficulty in obtaining permits for forest produce. Every facility was afforded to the public in *Bellary* and *Nellore*; in the former district a number of permit-issuing officers were appointed and arrangements were made to sell small timber from certain depots at moderate rates. In *Cuddapah*, departmental collections of redwood were, as usual, made in Pullampet range and sold at periodical auctions. A large quantity of timber—chiefly redwood—obtained from the fellings in the fuel coupes opened in Palkondas and Lankamalais was roughly shaped into agricultural and building materials and brought down for sale in Cuddapah. The prices obtained were profitable. Coupes were opened at convenient centres in *Chingleput*. Depots were opened in *North Arcot* to sell timber and fuel to the public and arrangements were also made to issue permits departmentally for manure-leaves and thatch grass instead of leasing them out as usual. In *South Arcot* manure-leaves were leased out by blocks to enable the villagers to take the leases themselves and the lessees were bound to issue permits at the seigniorage rate. Coupe contractors were also bound down to supply fuel and timber to the public at fixed rates and to have always a sufficient supply at the depots. In *Salem* agricultural implements were kept in depots and sold to ryots. In *South Malabar* it is reported that the wants of the people were met from private forests. The local demands in *Trichinopoly* and *Madura* were met in accordance with the provisions made in the sanctioned working schemes.

47. *Rules under the Forest Act.*—In *Ganjám*, *Gódávari*, *Kurnool*, *Cuddapah* and *South Coimbatore*, the Timber Transit rules worked well. In *North Coimbatore* and *Salem* no complaints were made as regards sandalwood transit rules. The necessity for the introduction of Timber Transit rules in *Madura* and *North Arcot* is under consideration.

48. *Working of the rules under section 26 of the Forest Act.*—The privileges allowed by these rules were generally availed of by the public and no complaints or abuses were brought to notice except in *Gódávari* and *Salem*. In *Gódávari* the abuse, by the people of Bhadráchalam, of the privileges allowed to the Koyas, Reddis and Telegas continued during the year for want of a correct definition of a "Telega". In *Salem*, as usual, there were some cases of felling and damaging reserved trees on unreserved lands and several cases of clearing lands for cultivation without darkhast and for non-payment of the value of trees thereon. In *South Canara* certain alterations were made in the lists of reserved and classified trees for the ranges and the concession of allowing the public to collect dry firewood, manure-leaves and grass, free of charge, was continued in a portion of the Baindur reserve. Orders were passed during the year extending to other districts the system in vogue in *Madura* of selling permits like stamps, as a safeguard against defalcations.

49. *Coffee cultivation in reserved forests.*—In *Salem* the aggregate area leased out up to the end of the year under review was 3,469·83 acres with an assessment of Rupees 3,469–14–7. Of this amount, Rs. 3,359–14–7 have become payable, the balance of Rs. 110 being the assessment on 110 acres assigned in 1899 on which the instalment falls due only from 1903. Sixteen acres of land in Kupputtu reserve were granted during the year to a planter in exchange for 50 acres previously leased out to him. Eighty-three cents leased out to a planter in 1900 have not yet been handed over to him pending the execution of an agreement. In *South Coimbatore*, the rent and cesses due on 19 out of 20 estates were realized in full during the year and those on the remaining one have since been collected. The execution of lease agreements for the estates is pending their correct survey, as the survey made by the Surveyor of the India Survey Party was found faulty. The survey of six estates made by a local surveyor on behalf of the Anglo-American District Tea Trading Company is being scrutinized by the District Forest-officer.

50. *Tours of the Forest Member.*—The Hon'ble Mr. A. W. B. Higgens was Forest Member of the Board up to 9th April 1902 and during that period spent 39 days on tour visiting the districts of Cuddapah, Nellore, Anantapur and the Nilgiris. During the remaining period of the Forest year the Hon'ble Mr. F. A. Nicholson, C.I.E., held the Forest portfolio, and visited the Nilgirs and Salem.

51. *Conservators' Inspections.*—The appended statement shows the names of the Conservators who held charge of the three circles during the year, the number of days spent by them in camp and the names of the districts visited by them :—

Circle.	Names.	Days in charge.	Days in camp.	Districts visited.	District Forest-offices inspected.
Northern	Mr. C. E. Brasier	307	167	All except Kurnool.	All except Kistna, Kurnool and Bellary.
	„ H. J. A. Porter	58	..		
Central	Mr. H. J. A. Porter	297	141	All except Tanjore.	All.
	„ E. D. M. Hooper	68	46		
Southern	Mr. H. A. Gass	365	267	All	All.

52. *Touring of the District Forest-officers.*—More than six months were spent in camp by all the District Forest-officers except those of *Kistna*, *South Coimbatore* and *the Nilgiris*.

53. *Inspection of Range offices by the District Forest-officers.*—The Range offices in all the districts, except *Vizagapatam*, *Gódávari*, *Kurnool*, *Nellore*, *Chingleput*, *South Arcot*, *Salem*, *South Malabar*, *South Coimbatore* and *Tinnevelly* were inspected twice during the year. In the other districts, some Range offices were inspected only once and others twice. In *South Malabar*, Nilambur Range office was not inspected at all.

54. *Audit of the accounts of the District Forest-offices.*—The accounts of all the District Forest-offices were, as usual, audited by the Local Fund inspecting staff of the Accountant-General's office and the results are reported to be satisfactory except in *Anantapur*.

55. *Forest school.*—A Deputy Ranger from the Northern Circle, a Ranger and two Deputy Rangers from the Central and a Ranger from the Southern were sent to the school during the year. Four Deputy Rangers and one stipendiary student to the Northern Circle, one Ranger and four stipendiary students to the Central, and one stipendiary and one Government student to the Southern returned from school with Rangers' certificates.

56. *Conferences of the District Forest and Divisional officers during Jamabandi.*—No conferences were held in *Vizagapatam*, *Gódávari* and *South Coimbatore* as no complaints were brought to notice. In *Tanjore* and *Malabar* the conference was not considered necessary. Owing to the absence of the District Forest-officer on leave at the time of jamabandi, no conference was held in *Bellary*. In *Anantapur* the District Forest-officer conferred with the Head Assistant Collector only and in *Chingleput* the Range officer attended the jamabandi of the Head Assistant Collector and of the Divisional-officer, Chingleput.

57. *Conduct and work of the establishment—Northern Circle.*—In *Ganjám* the conduct of the executive staff was not entirely satisfactory. One Ranger was temporarily reduced for six months for bad work and one forester resigned. One Deputy Ranger in *Gódávari* is accused of having made false statements and entered in the accounts as having paid the pay of fire-patrols when they were not actually paid. In *Kurnool* three foresters were removed from service, and three were under suspension, pending enquiry. In *Bellary* one Deputy Ranger was dismissed for bad work, one forester was suspended and two were reduced for the same reason. In *Anantapur* the conduct of the establishment was not good which, the Acting Conservator thinks, is chiefly owing to their duties not being properly defined.

Central Circle.—The conduct of the executive staff in *Cuddapah* is reported to have been satisfactory with a few exceptions. One forester in *Chingleput* resigned. One of the two Rangers in *North Arcot* reported to have been under suspension in the previous report was subsequently dismissed and the other transferred to another district with a warning. The forester who was under suspension was reinstated. One Deputy Ranger and a forester were suspended during the year for short periods for disobedience of orders. In *South Arcot* one forester was suspended for disobedience of orders. One of the trained Rangers was found to be dilatory and apathetic. One Deputy Ranger reported as under suspension in the last report was reinstated. In *Salem* the work of two Rangers is reported to be unsatisfactory and one Ranger resigned.

Southern Circle.—In *South Canara* one Ranger is reported to have given much trouble from his incapacity to manage his subordinates. In *North Malabar* two foresters were suspended on a charge of misappropriation but were reinstated after nine months and transferred to other districts. In *South Malabar* one Ranger, who had rendered long and useful service, died during the year. In *South Coimbatore* the Ranger referred to as suspended in the previous year's report for allowing illicit fellings was reduced to Deputy Ranger, first grade, and another, suspected of having hushed up a case, was reduced. In *Madura* a Deputy Ranger was suspended in connection with a serious defalcation of permits and afterwards allowed to resign. Two Rangers and a forester in *Tinnevelly* were suspended, pending enquiry.

The conduct of the protective staff in the three circles continued to be very unsatisfactory and leaves much room for improvement. There were several dismissals and suspensions amongst the forest guards and watchers for misconduct and gross neglect of duty. The permit-issuing gumastah of Kunavaram in *Gódávari*, who was prosecuted last year, was discharged but a re-trial has since been ordered. One permit-issuing officer in *Salem* was convicted of temporary misappropriation. One range clerk in *Madura* was prosecuted and convicted for defalcation of permits. In *Vizagapatam* a permit gumastah was convicted of embezzlement and sentenced to rigorous imprisonment for 4 years and 4 months. In *Kurnool* a watcher was killed in Pattikonda range but the murderer was not found.

During the year the rangerships were recruited from passed Dehra students, some of them stipendiaries and others who had served as Deputy Rangers and Foresters prior to their training. Some further advance was made towards filling up the foresterships by appointing forest guards of meritorious service, hoping by this incentive to get more honest work from the guards as a class without necessarily requiring a knowledge of English for such promotion.

58. *Health of the establishment.*—In the *Northern Circle*, the health of the establishment was fair in all the districts except *Gódávari*. The agency range of *Gódávari* was very unhealthy during the year. The Working-plans officer (Mr. Cowley-Brown), who made a tour in the range had to go on long leave owing to ill-health and five of the attendants who followed him died. In the Central Circle, parts of *Cuddapah* and the Coast and Sriharikota ranges in *Nellore* continued to be unhealthy. In *South Arcot*, the season was unhealthy in the Tenmalais and Kurumba Goundan hills and a Ranger died consequent on his prolonged stay in the former place. With the exception of the Pachamalais, *Trichinopoly* was healthy. In the Southern Circle, the health of the staff was good in *Madura* and *Tinnevelly*, indifferent in *South Coimbatore* and bad in *Malabar* and *North Coimbatore*. The subordinates suffered from malarial fever in the ghât tracts of *South Canara*. and in the Mudumalai and Segur ranges in the *Nilgiris*. There were many deaths in *South Malabar* and the *Nilgiris*.

59. *Service books.*—These are reported to have been maintained and verified in all districts except *Anantapur* and *South Arcot*. In *Salem* the arrears, referred to in the last year's review, were worked off. In *Anantapur*, the Conservator remarks that they were neither up to date nor properly verified. In *South Arcot*, the verification is reported to be not up to date, while in *South Coimbatore* some books are still to be verified. No information is furnished in the report from *Kistna*.

60. *Inventory of valuable stock.*—Stock registers are reported to have been maintained and verified in all districts except *Anantapur* "in which" the Conservator remarks, "the registers are not properly maintained and brought up to date." In *Nellore* and *North Arcot* the registers are reported to be under revision.

61. *Elephants.*—The elephant in *Vizagapatam* was more healthy and able to do hard work. The two elephants in *Kurnool* were keeping good health; the female is reported to be very useful, while the tusker was troublesome. The health of the three elephants in *South Canara* was good. Elephant-capturing operations were carried out in *South Coimbatore* and *North* and *South Malabar* and the number of animals captured was 3, 7 and 3, respectively. Of these, one died in *North Malabar* and two in *South Coimbatore*. Five elephants were sent to *South Coimbatore* from *North Malabar* where one male calf was born. In *South Coimbatore* three trained elephants died. The number of animals at the close of the year was 61 against 53 of the previous year. The report of the Superintendent of the Veterinary Department referred to in the last year's report is still under consideration.

62. *Rain-gauges.*—Readings are reported to have been properly recorded in all the districts, except *Kistna* in the Northern Circle, *North Arcot*, *South Arcot* and *Tanjore* in the Central Circle, and the *Nilgiris* in the Southern Circle. Three new stations in *Bellary* and one in *North Arcot* were opened during the year. The results of the readings in *North Arcot* and *South Arcot* are reported to be unreliable.

63. *The Saw-mill at Mount Stuart.*—The number of logs converted during the year was 376 of 16,507 cubic feet against 261 of 11,320 cubic feet in the previous year. A disastrous flood occurred in the Tunakadavu river in November 1901 and there were several breaches in the supply channel to the mill. A considerable portion of the river-bank in front of the mill and several bridges on the tram line were washed away. Consequent on this, several repairs and additional works were carried out at a heavy cost.

64. *The Wire rope-way at Mount Stuart.*—The aggregate number of loads sent down from Anamalais by this means of transport was 395 of 9,316 cubic feet against 492 of 1,092 cubic feet in the last year. There was a saving of $6\frac{1}{2}$ pies per cubic foot as compared with the road transport.

65. *Iron industry in Salem.*—During the year a prospecting license was issued to Messrs. Best & Co. for a period of three years to explore for iron in the Kanjamalai reserved forest.

66. *Mica, &c.*—Out of 63 mines that were in force in the *Nellore* district at the beginning of the year, 31 were either relinquished or cancelled and 12 new ones were sanctioned, thus leaving the sanctioned number of mines at 44 at the close of the year. Seven out of ten sanctioned mines in patta lands were relinquished and two new mines were sanctioned during the year. Eleven mines in shrotriem lands and one in zamindari land are reported to have been working. The number of mines that were actually working, out of 44 sanctioned in Government lands, was only 23, and steps are being taken to cancel the leases of the non-workable mines. The total quantity of mica consigned from the *Nellore* district was 398,187 lb. against 1,079,516 lb. in the preceding year and the royalty due thereon was Rs. 21,961 against Rs. 40,139 in the previous year. The short consignment during the year is reported to be due to (1) the absence of demand for flimsy mica, (2) depression in the prices of mica in London markets and (3) the failure by a prominent mine-owner to work the mines owing to an injunction order of the High Court. The industry is reported not to be flourishing as the mines are said to be poorer. The mining rules were revised and the deposit system was abolished. There were no cases of fatal accident during the year.

In *Gódávari*, Rs. 1,040 were realized as royalty on plumbago removed from the mines in the Rékapalli reserve.

In *Salem*, two prospecting licensees were issued for gold in Kupputtu and Kurambapatti reserves.

67. *Forest Museum.*—The museum at Coimbatore in the Southern Circle comprises a large collection of forest products and considerable progress was made during the year. His Excellency the Governor visited it in April 1902 and it is open to the public for a couple of hours daily. A proposal to establish a training school for Deputy Rangers, foresters and forest guards, to which the museum would form a useful adjunct, was made by the Conservator, Southern Circle, at the close of the year and is under consideration.

68. *Work and services of superior officers—Northern Circle.*—Mr. Porter, the Acting Conservator, has submitted a note recorded by Mr. Brasier on the work of superior officers. "All the District Forest-officers worked well during the year. Special mention may, however, be made of the work of the following:—Mr. Battie in Kurnool, although only supported by a mediocre subordinate staff, succeeded in working the fuel contracts with the Southern Mahratta Railway without a hitch and generally conducted the forest operations of his district with his usual tact and ability. Mr. Wood in Gódávari worked with his usual zeal and intelligence and succeeded in largely augmenting the forest revenue of the district by careful check over the work of his subordinates. Mr. Cox in Vizagapatam supplied a considerable quantity of lighting wood to the railway and by his close personal attention to details made the operation a success sylviculturally and financially. The gross and net revenue of the district showed a considerable increase over that of the previous year. Mr. Cowley-Brown, the Working-plans officer, was on leave owing to severe illness in connection with his work during about five months of the year. While on duty he worked entirely to the Conservator's satisfaction, but fever prevented his finishing as much work as he otherwise might have done."

Central Circle.—Mr. Hooper, the Conservator, says:—The Circle was controlled until the end of April 1902 by Mr. H. J. A. Porter, Acting Conservator, who has not left on record his opinions of the officers and the way they worked during his term of office. In the short period Mr. Hooper held charge he had no time to form an opinion on the way each officer was conducting his work. Collectors were, however, specially invited to record their opinion on their Forest Assistants and they have done so as follows except in the case of the Collectors of Cuddapah and Nellore; the former makes no remark and the latter says he has none to make.

"Mr. C. J. Woutersz, Extra Assistant Conservator, 1st grade (District Forest-officer, Chingleput), is full of zeal and energy, but has nevertheless largely reduced the number of prosecutions and substituted prevention for punishment. I consider that his administration has been very satisfactory."

North Arcot.—"My District Forest-officer (Mr. C. D. P. Thornton, Deputy Conservator, 3rd grade), is very keen on his work and always ready to make concessions to the ryots in such individual cases as are brought to his notice. I believe the large increase in the number of forest offences charged — a symptom which causes me some disquiet — to be largely due to the tightening of the reins of official discipline by the present District Forest-officer. While the stricter requirements of the District Forest-officer are praiseworthy, such requirements must be accompanied by a much stricter supervision by the District Forest-officer and his Rangers. To hold for instance the number of cases charged or even convicted as a test of efficiency (I only put a supposititious case) is very dangerous unless very close *local* supervision (as opposed to office control) is exercised by Rangers and District Forest-officer."

South Arcot.—"The Forest Administration of the district may be said to have been fairly satisfactory on the whole during the period under report. Both officers (Messrs. T. P. Peake, Deputy Conservator, 1st grade and C. M. Maduranayagam Pillai, Extra Assistant Conservator, 2nd grade) evinced much interest in that portion of their work coming under the Collector's notice."

Trichinopoly.—"I have found him (Mr. F. A. Seager, Extra Assistant Conservator, 1st grade), a willing hard-working officer, but he needs to be far stricter with his office and his Range officers."

Salem.—"Messrs. F. Lodge, Deputy Conservator, 2nd grade, and Rama Rao, Extra Assistant Conservator, 2nd grade, have both worked indefatigably in an exceptionally heavy district and I consider there has been some improvement in the Forest Administration during the year."

Southern Circle.—Mr. H. A. Gass, the Conservator, says—

"Mr. G. Hadfield has kept going satisfactorily in the *Nilgiris.*

"Mr. A. W Lushington of *North Coimbatore* and Mr. H. A. Latham of *South Canara* are painstaking officers and indefatigable in inspection. Both have worked zealously and well. The former has a considerable knowledge of Botany, which is of much value.

"Mr. P. M. Lushington's work in *Tinnevelly* has been most praiseworthy. In addition to his ordinary duties he has prepared a number of working-plans and he has been worried with difficult cases which he has worked up creditably.

"Mr. A. P. Grenfell arrived only in January. He has since done useful work in Nilambur in the preparation of the supplement to the working-plan and in starting the soil maps which are so much required. His health is indifferent.

"Mr. A. B. Jackson's touring and inspection in *South Coimbatore* have not been so satisfactory as usual and he has left important works far too much in the hands of Range officers. He has been hampered by ill-health, both of himself and in his family.

"Mr. G. F. F. Foulkes spent much time in camp and he has completed a lot of work during the year.

"Mr. H. B. Bryant was in charge of *Madura* for about half the year and he has thrown himself into his work with great zeal. He wishes to go ahead rather more quickly than is convenient.

"Mr. H. Tireman carried on the work of *North Malabar* satisfactorily, and he was for a time in charge of *South Malabar* also.

"Mr. R. D. Richmond arrived in December and is a promising junior.

"Extra Assistant Conservators Mr. H. O'Neill and Mr. E. C. M. Mascurenhas are reported to have worked well.

In regard to subordinates also Mr. Gass states—

"Forest Ranger Mr. A. G. Van Hæften did good work first in charge of the South Malabar district and subsequently of his range. He has been especially helpful in collecting good specimens for the forest museum.

As *Salem* was found too heavy a district for one officer to supervise, it was split up into two Forest charges from 1st April 1902 and an officer of the Provincial staff was placed in charge of the minor division.

Mr. A. W. C. Stanbrough (Deputy Conservator of Forests) and Mr. W. Carroll (Extra Assistant Conservator of Forests) retired from service, the former from 16th December 1901 and the latter from 16th September 1901.

APPENDICES.

ANNUAL FORM No. 44.

Forest Department, Madras Presidency.

AREA of reserved forests and reserved lands during 1901–1902.

Districts.	Area of reserved forests.						Area of reserved lands.						Total area of reserved forests and reserved lands.
	Area on 1st July 1901.		Added during the year.	Excluded during the year.	Area on 30th June 1902.		Area on 1st July 1901.		Added during the year.	Excluded during the year.	Area on 30th June 1902.		
	Acres.	Equivalent in square miles.	Acres.	Acres.	Acres.	Equivalent in square miles.	Acres.	Equivalent in square miles.	Acres.	Acres.	Acres.	Equivalent in square miles.	
Northern Circle.													SQ. MLS.
Ganjám	320,929	502	22,863	505	343,287	536	24,586	39	1,200	24,586	1,200	2	538
Vizagapatam	143,565	224	13,431	..	156,996	245	77,019	120	125	13,431	63,713	99	344
Gódávari	608,370	951	..	..	608,370	951	875	1	47,955	..	48,830	76	1,027
Kistna	536,902	839	51,852	..	588,754	920	146,377	229	2,905	60,593	88,689	139	1,059
Kurnool	1,428,834	2,232	40,976	10	1,469,800	2,296	344,579	539	18,159	102,510	260,228	407	2,703
Bellary	348,844	545	10,146	148	358,842	561	55,276	86	311	7,599	47,988	75	636
Anantapur	* 324,428	507	450	..	324,878	508	1,661	2	..	450	1,211	2	510
Total ..	3,711,872	5,800	139,718	663	3,850,927	6,017	650,373	1,016	70,655	209,169	511,859	800	6,817
Central Circle.													
Cuddapah	1,362,914	2,129	39,543	..	1,402,457	2,191	197,288	308	..	70,819	126,469	198	2,389
Nellore	446,544	698	16,180	163	462,561	723	43,888	68	928	20,416	24,400	38	761
Chingleput	* 136,306	213	482	..	136,788	214	531	1	..	531	..	..	214
North Arcot	765,466	1,196	50,998	6,048	810,416	1,266	24,160	38	..	5,498	18,662	29	1,295
South Arcot	443,369	693	10,616	30,955	423,030	661	7,859	12	254	6,480	1,633	3	664
Salem	846,499	1,323	101,650	7,165	940,984	1,470	165,030	258	2,759	52,557	115,232	180	1,650
Trichinopoly	169,065	264	2,833	..	171,898	269	33,530	52	..	3,244	30,286	47	316
Tanjore	11,519	18	944	68	12,395	19	..	..	..	..	..	..	19
Total ..	4,181,682	6,534	223,246	44,399	4,360,529	6,813	472,286	737	3,941	159,545	316,682	495	7,308
Southern Circle.													
South Canara	414,655	647	10,063	643	423,475	662	283,315	443	20	18,984	264,351	413	1,075
Malabar, North	128,559	201	19,019	..	147,578	231	29,396	46	..	26,926	2,470	4	235
Do. South	142,856	223	..	3,017	139,839	218	30,510	48	..	..	30,510	48	266
The Nilgiris	254,073	397	2,916	56	256,933	401	* 64,794	101	20	2,918	61,896	97	498
Coimbatore, North	708,959	1,108	981	..	709,940	1,109	346,934	542	6	1,014	345,926	540	1,649
Do. South	420,271	657	3,386	..	423,657	662	370	1	..	370	..	..	662
Madura	382,733	598	8,236	927	390,042	610	* 8,472	13	5,860	8,236	6,096	10	620
Tinnevelly	* 271,407	424	5,579	1,240	275,746	431	3,179	5	281	..	3,460	5	436
Total ..	2,722,913	4,255	50,180	5,883	2,767,210	4,324	766,970	1,199	6,187	58,448	714,709	1,117	5,441
Grand Total ..	10,616,467	16,589	413,144	50,945	10,978,666	17,154	1,889,629	2,952	80,783	427,162	1,543,250	2,412	19,566

* The figures now given are correct.

ANNUAL FORM No. 44.

District.	Name of forest.	Area on 1st July 1901. Acres.	Area on 1st July 1901. Equivalent in square miles.	Added during the year. Acres.	Excluded. Acres.	Area on 30th June 1902. Acres.	Area on 30th June 1902. Equivalent in square miles.	Number and date of Notification of addition or transfer.
	Reserved forests.							
Ganjám.	Darpangia Extensions Nos. I and II.	..	..	1,182	..	1,182	..	No. 14, dated 26th December 1901.
	Chandragiri enclosure	..	..	81	..	81	..	No. 323, dated 27th June 1901.
	Kriyamba	..	..	21,600	..	21,600	..	No. 65, dated 4th February 1902.
	Area notified in previous years ..	320,929	..	..	(*d*) 505	320,424	..	
	Total ..	320,929	502	22,863	505	343,287	536	
	Reserved lands not transferred to reserved forests during the year.							
	Area notified in previous years..	1,723	3	1,200	(*b*) 1,723	1,200	2	
	Reserved forests.							
Vizagapatam.	Barnakonda	..	..	13,431	..	13,431	..	No. 219, dated 1st May 1901.
	Area notified in previous years..	143,565	..	..	..	143,565	..	
	Total ..	143,565	224	13,431	..	156,996	245	
	Reserved lands not transferred to reserved forests during the year.							
	Donabhai	..	..	125	..	125	..	No. 1452, dated 23rd November 1901.
	Sarugudu Block Nos. III and IV.	1,740	..	..	..	1,740	..	No. 1354, dated 6th August 1901.
	Area notified in previous years ..	61,848	..	..	..	61,848	..	
	Total ..	63,588	99	125	..	63,713	99	
	Reserved forests.							
Gódávari.	Area notified in previous years..	608,370	951	..	..	608,370	951	
	Reserved lands not transferred to reserved forests during the year.							
	Coringa extension	..	..	47,955	..	47,955	..	No. 444, dated 15th November 1901.
	Area notified in previous years..	875	..	..	..	875	..	
	Total ..	875	1	47,955	..	48,830	76	
	Reserved forests.							
Kistna..	Bunder Fort Extension No. III.	..	..	2,270	..	2,270	..	No. 100, dated 1st March 1902.
	Do. do. ,, IV.	..	..	12,820	..	12,820	..	No. 12, dated 26th December 1901.
	Chirala	..	..	634	..	634	..	No. 114, dated 3rd March 1902.
	Ganjám	..	..	3,804	..	3,804	..	No. 30, dated 11th January 1902.
	Nilayapalem	..	..	2,353	..	2,353	..	No. 289, dated 5th June 1901.
	Kadavakuduru	..	..	1,276	..	1,276	..	No. 397, dated 20th September 1901.
	Dindi Extension No. 1	..	..	330	..	330	..	No. 422, dated 25th October 1901.
	Motupalli	..	..	658	..	658	..	No. 78, dated 17th February 1902.
	Kothur Extension No. 1 ..	..	..	600	..	600	..	No. 241, dated 17th May 1901.
	Do. No. 3 ..	..	..	218	..	218	..	No. 455, dated 16th November 1901.
	Venkatayapalem Extension No. 9	..	..	422	..	422	..	No. 486, dated 10th December 1901.

(*b*) Excluded at settlement. (*d*) Disafforested.

District.	Name of forest.	Area on 1st July 1901. Acres.	Area on 1st July 1901. Equivalent in square miles.	Added during the year. Added.	Excluded. Acres.	Area on 30th June 1902. Acres.	Area on 30th June 1902. Equivalent in square miles.	Number and date of Notification of addition or transfer.
				Reserved forests—cont.				
Kistna—*cont.*	Venkatayapalem Extension XI..	..	..	326	..	326	..	No. 295, dated 24th May 1901.
	Mukteswaram	..	..	680	..	680	..	No. 114, dated 3rd March 1902.
	Nagarazupalli block II	..	..	740	..	740	..	No. 99, dated 25th February 1902.
	Kukutlapalli blocks I and II ..	..	..	1,059	..	1,059	..	No. 62, dated 10th February 1902.
	Guttikonda Extension 10 ..	..	..	2,515	..	2,515	..	No. 274, dated 24th May 1901.
	Kandlagunta Extension 2 ..	..	..	1,366	..	1,366	..	No. 237, dated 17th May 1901.
	Gangalakunta Extension 1 ..	..	..	1,437	..	1,437	..	No. 339, dated 25th July 1901.
	Daida	..	..	2,860	..	2,860	..	No. 269, dated 30th May 1901.
	Kandlakunta Extension I ..	..	..	14,600	..	14,600	..	No. 101, dated 25th February 1902.
	Paluvaya	..	..	* 884	..	884	..	No. 88, dated 21st February 1902.
	Area notified in previous years ..	536,902	..	..	..	536,902	..	....
	Total ..	536,902	839	51,852	..	588,754	920	
				Reserved lands not transferred to reserved forests during the year.				
	Munipeda	1,756	..	..	655	1,101	..	No. 469, dated 3rd December 1901.
	Kanur	1,914	..	..	247	1,667	..	No. 321, dated 27th June 1901.
	Interu	3,840	..	575	..	4,415	..	No. 321, dated 27th June 1901.
	Romperu I and II	2,220	..	2,330	..	4,550	..	No. 456, dated 23rd November 1901.
	Area notified in previous years ..	84,909	..	..	(*b*) 7,123 (*c*) 830	76,956	..	
	Total ..	94,639	148	2,905	8,855	88,689	139	
				Reserved forests.				
Kurnool.	Eastern Nallamalai block IV ..	..	..	28,115	..	28,115	..	No. 348, dated 1st August 1901.
	Do. do. V ..	..	..	8,785	..	8,785	..	No. 9, dated 26th December 1901.
	Oddapalli	..	..	1,313	..	1,313	..	No. 87, dated 21st February 1902.
	Nallamekalapalli	..	..	683	..	683	..	No. 92, dated 21st February 1902.
	Mettupalli	..	..	2,080	..	2,080	..	No. 158, dated 2nd April 1902.
	Area notified in previous years ..	1,428,834	..	..	(*d*) 10	1,428,824	..	
	Total ..	1,428,834	2,232	40,976	10	1,469,800	2,296	
				Reserved lands not transferred to reserved forests during the year.				
	Sirvel addition No. 7	3,019	..	..	..	3,019	..	No. 324, dated 27th June 1901.
	Yadavada	1,400	..	..	..	1,400	..	No. 324, dated 27th June 1901.
	Owk	33,483	..	..	..	33,483	..	No. 405, dated 28th September 1901.
	Eastern Nallamalai block XIV.	..	..	4,356	..	4,356	..	No. 436, dated 5th November 1901.
	Eddupenta	2,300	..	559	..	1,575	..	No. 7, dated 2nd January 1902.
	Kottaburuzu					1,284	..	
	Southern Veligonda extension ..	6,783	..	..	..	6,783	..	No. 26, dated 9th January 1902.
	Northern do. do. ..	12,850	..	156	..	13,006	..	
	Eastern Nallamalai No. VI A ..	5,256	..	4,150	..	5,131	..	No. 137, dated 19th March 1902.
	Do. „ B ..					2,461	..	
	Do. „ C ..					1,814	..	
	Eastern Nallamalai No. VII ..	2,619	..	..	..	2,619	..	
	Do. „ X ..	5,266	..	..	..	5,266	..	

* Includes 114 acres added during the year by revised estimate.
(*b*) Excluded at Settlement. (*c*) Abandoned. (*d*) Disafforested.

District.	Name of forest.	Area on 1st July 1901. Acres.	Area on 1st July 1901. Equivalent in square miles.	Added during the year. Acres.	Excluded. Acres.	Area on 30th June 1902. Acres.	Area on 30th June 1902. Equivalent in square miles.	Number and date of Notification of addition or transfer.
	Reserved lands not transferred to reserved forests during the year—cont.							
Kurnool —*cont.*	Jaladurgam Extension 3 ..	48	..	32	..	80	..	No. 159, dated 2nd April 1902.
	Do. do. 1 ..	4,200	..	..	..	4,200	..	No. 230, dated 22nd May 1902.
	Pattikonda	4,304	..	..	..	4,304	..	Do.
	Area notified in previous years..	222,075	..	8,906	(*b*) 6,710 (*c*) 54,824	169,447	..	
	Total ..	303,603	474	18,159	61,534	260,228	407	
	Reserved forests.							
Bellary.	Hirehalu	..	..	2,674	..	2,674	..	No. 391, dated 10th September 1901.
	Bondinakallu	..	..	2,274	..	2,274	..	No. 90, dated 21st February 1902.
	Bandri Extension	..	..	446	..	446	..	No. 308, dated 11th June 1901.
	Chikkantapuram	..	..	* 1,757	..	1,757	..	No. 398, dated 24th September 1901.
	Area notified in previous years ..	348,844	..	(*a*) 2,995	(*a*) 148	351,691	..	
	Total ..	348,844	545	10,146	148	358,842	561	
	Reserved lands not transferred to reserved forests during the year.							
	Haladahalli A and B	..	..	259	..	259	..	No. 390, dated 14th September 1901.
	Mundrigi	..	..	52	..	52	..	Do.
	Area notified in previous years..	48,136	..	..	(*b*) 459	47,677	..	
	Total ..	48,136	75	311	459	47,988	75	
	Reserved forests.							
Anantapur.	Kaki	..	..	450	..	450	..	No. 468, dated 3rd December 1901.
	Area notified in previous years..	324,428	..	..	..	324,428	..	
	Total ..	324,428	507	450	..	324,878	508	
	Reserved lands not transferred to reserved forests during the year.							
	Area notified in previous years..	1,211	2	..	..	1,211	2	
	Reserved forests.							
Cuddapah.	Kodur tope	..	..	53	..	53	..	No. 246, dated 17th May 1901.
	Gundlur tope	..	..	37	..	37	..	
	Sidhout tope	..	..	8	..	8	..	No. 294, dated 5th June 1901.
	Venkatapuram tope	..	..	15	..	15	..	
	Obuladevaracheruvu tope ..	..	..	13	..	13	..	
	Gundlabhavi tope	..	..	12	..	12	..	No. 387, dated 6th September 1901.
	Chintagunta tope	..	..	25	..	25	..	No. 413, dated 5th October 1901.
	Palkonda Extension A	..	..	9,916	..	9,916	..	
	Do. do. B	..	..	1,195	..	1,195	..	No. 451, dated 18th November 1901.
	Do. do. C	..	..	16,596	..	16,596	..	
	Do. do. D	..	..	1,745	..	1,745	..	
	Do. do. E	..	..	280	..	280	..	
	Guvvalacheruvu tope	..	..	13	..	13	..	No. 17, dated 16th December 1901.
	Pottipad tope	..	..	112	..	112	..	No. 91, dated 21st February 1902.
	Gadikota Extension	..	..	9,523	..	9,523	..	No. 127, dated 11th March 1902.
	Area notified in previous years..	1,362,914	..	..	..	1,362,914	..	
	Total ..	1,362,914	2,129	39,543	..	1,402,457	2,191	
	Reserved lands not transferred to reserved forests during the year.							
	Area notified in previous years ..	157,745	246	..	(*b*) 4,484 (*c*) 26,792	126,469	198	

(*a*) Rectification (*b*) Excluded at settlement. (*c*) Abandoned.

* Includes 11 acres added by revised estimate during the year.

District.	Name of forest.	Area on 1st July 1901. Acres.	Area on 1st July 1901. Equivalent in square miles.	Added during the year. Acres.	Excluded. Acres.	Area on 30th June 1902. Acres.	Area on 30th June 1902. Equivalent in square miles.	Number and date of Notification of addition or transfer.
	Reserved forests.							
Nellore.	Pedda Irlapad	..	..	3,900	..	3,900	..	No. 18, dated 4th January 1902.
	Inimerla	..	..	3,800	..	3,800	..	No. 156, dated 1st April 1902.
	Vidavalur tope	..	..	176	..	176	..	No. 11, dated 26th December 1901.
	Timmasamudram tope	..	..	73	..	73	..	No. 113, dated 4th March 1902.
	Marupur extension	..	..	500	..	500	..	No. 349, dated 1st August 1901.
	Vadlapudi extension	..	..	200	..	200	..	No. 352, dated 6th August 1901.
	Biradavolu extension	..	..	396	..	396	..	No. 66, dated 1st February 1902.
	Sarvepalli extension	..	..	990	..	990	..	No. 16, dated 16th December 1901.
	Devaravemur A and B topes	..	..	137	..	137	..	No. 4, dated 4th January 1902.
	Guvvadi east	..	..	1,490	..	1,490	..	No. 307, dated 11th June 1901.
	Do. west	..	..	1,663	..	1,663	..	No. 327, dated 3rd July 1901.
	Bhairavaram	..	..	1,790	..	1,790	..	No. 362, dated 17th August 1901.
	Thotacheruvupalli	..	..	1,065	..	1,065	..	No. 115, dated 6th March 1902.
	Area notified in previous years	446,544	..	..	(c) 163	446,381	..	....
	Total	446,544	698	16,180	163	462,561	723	
	Reserved lands not transferred to reserved forests during the year.							
	Kottapatam casuarina plantation extension.	..	..	160	..	160	..	No. 29, dated 11th January 1902.
	Utukur Varini block C extensions A and B.	..	..	485	..	485	..	No. 54, dated 27th January 1902.
	Lebur topes	..	..	283	..	283	..	No. 138, dated 17th March 1902.
	Area notified in previous years	27,708	..	..	(b) 4,236	23,472	..	....
	Total	27,708	43	928	4,236	24,400	38	
	Reserved forests.							
Chingleput.	Kattur extension 2	..	..	170	..	170	..	No. 164, dated 7th April 1902.
	Nemali extension 2	..	..	312	..	312	..	No. 27, dated 11th January 1902.
	Area notified in previous years	136,306	..	..	..	136,306	..	....
	Total	136,306	213	482	..	136,788	214	
	Reserved lands not transferred to reserved forests—Nil.							
	Reserved forests.							
North Arcot.	Thotakanama	..	..	4,710	..	4,710	..	No. 69, dated 1st February 1902.
	Area notified in previous years	765,496	..	(a) 46,258	(a) 6,048	805,706	..	....
	Total	765,496	1,196	50,968	6,048	810,416	1,266	
	Reserved lands not transferred to reserved forests during the year.							
	Area notified in previous years	19,450	30	..	(b) 788	18,662	29	
	Reserved forests.							
South Arcot.	Damarakadu	..	..	6,134	..	6,134	..	No. 407, dated 27th September 1901.
	Area notified in previous years	443,369	..	(a) 4,482	(a) 30,955	416,896	..	....
	Total	443,369	693	10,616	30,955	423,030	661	
	Reserved lands not transferred to reserved forests during the year.							
	Area notified in previous years.	1,979	3	* ..	(b) 346	1,633	3	

(a) Revised estimate. (b) Excluded at settlement. (c) Disafforested.

* 254 acres added by rectification during the year and transferred to reserved forest during the same year.

District.	Name of forest.	Area on 1st July 1901. Acres.	Area on 1st July 1901. Equivalent in square miles.	Added during the year. Acres.	Excluded. Acres.	Area on 30th June 1902. Acres.	Area on 30th June 1902. Equivalent in square miles.	Number and date of Notification of addition or transfer
	Reserved forests.							
Salem ..	Konur	..	..	2,410	..	2,410	..	No. 267, dated 30th May 1901.
	Shelur	..	..	18,200	..	18,200	..	No. 353, dated 6th August 1901.
	Veppampatti Extension	..	..	4,602	..	4,602	..	No. 322, dated 27th June 1901.
	Kalnad Extension	..	..	1,440	..	1,440	..	No 272, dated 24th May 1901.
	Nochikuttai Extension	..	..	4,064	..	4,064	..	No. 273, dated 24th May 1901.
	Pani	..	..	17,761	..	17,761	..	No. 290, dated 24th May 1901.
	Kallavi	..	..	4,080	..	4,080	..	No. 347, dated 1st August 1901.
	Area notified in previous years ..	846,499	..	(*a*) 49,093	(*a*) 7,165	888,427	..	
	Total ..	846,499	1,323	101,650	7,165	940,984	1,470	
	Reserved lands not transferred to reserved forests during the year.							
	Nagur Extension	..	..	2,759	..	2,759	..	No. 6, dated 3rd January 1902.
	Area notified in previous years..	112,473	..	..	..	112,473	..	
	Total ..	112,473	176	2,759	..	115,232	180	
	Reserved forests.							
Trichinopoly.	T. Kanappadi Extension ..	..	..	172	..	172	..	No. 326, dated 2nd July 1901.
	Pulivalam	..	..	863	..	863	..	No. 13, dated 26th December 1901.
	Mavilippatti	..	..	1,798	..	1,798	..	No. 157, dated 1st April 1902.
	Area notified in previous years ..	169,065	..	..	..	169,065	..	
	Total ..	169,065	264	2,833	..	171,898	269	
	Reserved lands not transferred to reserved forests during the year.							
	Shenmalai Extension	308	..	..	(*c*) 308	..	..	No. 487, dated 7th December 1901.
	Area notified in previous years..	30,389	..	..	(*b*) 103	30,286	..	
	Total ..	30,697	48	..	411	30,286	47	
	Reserved forests.							
Tanjore ..	Area notified in previous years..	11,519	18	944	68	12,395	19	
	Reserved lands not transferred to reserved forests during the year—Nil.							
	Reserved forests.							
South Canara.	Someshwar Extension	..	..	1	..	1	..	No. 239, dated 17th May 1901.
	Nire	..	..	666	..	666	..	No. 406, dated 26th September 1901.
	Kombar	..	..	9,396	..	9,396	..	No. 408, dated 28th September 1901.
	Area notified in previous years ..	414,055	..	..	(*f*) 643	413,412	..	
	Total ..	414,055	647	10,063	643	423,475	662	
	Reserved lands not transferred to reserved forests during the year.							
	Dondalarabi	976	..	..	..	976	..	No. 8, dated 26th December 1901.
	Vorwadi	856	..	..	..	856	..	No. 136, dated 17th March 1902.
	Kunthur Extension	..	..	20	..	20	..	No. 208, dated 12th May 1902.
	Mandekole	7,632	..	..	..	7,632	..	No. 217, dated 28th May 1902.
	Area notified in previous years..	263,788	..	..	(*a*) 4,246 (*b*) 57 (*c*) 4,618	254,867	..	
	Total ..	273,252	427	20	8,921	264,351	413	

(*a*) Revised estimate. (*b*) Excluded at settlement. (*c*) Abandoned.
(*f*) Ordered to be excluded by the High Court.

District.	Name of forest.	Area on 1st July 1901. Acres.	Area on 1st July 1901. Equivalent in square miles.	Added during the year. Acres.	Excluded. Acres.	Area on 30th June 1902. Acres.	Area on 30th June 1902. Equivalent in square miles.	Number and date of Notification of addition or exclusion.
				Reserved forests.				
North Malabar.	Kanoth	..	..	19,019	..	19,019	..	No. 168, dated 14th March 1901, and No. 243, dated 17th May 1901.
	Area notified in previous years ..	128,559	..	..	..	128,559	..	
	Total ..	128,559	201	19,019	..	147,578	231	
				Reserved lands not transferred to reserved forests during the year.				
	Area notified in previous years ..	10,377	16	..	(*b*) 6,581 (*c*) 1,326	2,470	4	
				Reserved forests.				
South Malabar.	Area notified in previous years ..	142,856	223	..	* 3,017	139,839	218	
				Reserved lands not transferred to reserved forests during the year.				
	Area notified in previous years ..	30,510	48	..	..	30,510	48	
				Reserved forests.				
The Nilgiris.	Sandy Nullah reserve No. 2 ..	..	..	132	..	132	..	No. 198, dated 26th April 1901.
	Red hill No. I	..	..	222	..	222	..	Do.
	Addition to Dodabetta No. I ..	..	..	17	..	17	..	No. 355, dated 6th August 1901.
	Adichathadashola	..	..	18	..	18	..	No. 3, dated 26th December 1901.
	Addition to Cairnhill	..	..	12	..	12	..	No. 41, dated 15th January 1902.
	Extension to Cairnhill addition.	..	..	1	..	1	..	No. 128, dated 14th March 1902.
	Kamari	..	..	51	..	51	..	No. 221, dated 1st May 1901.
	Pillura shola addition	..	..	16	..	16	..	
	Bear Hill No. II	..	..	18	..	18	..	
	Gundorai addition	..	..	22	..	22	..	
	Attimara	..	..	11	..	11	..	
	Athi garhatti shola addition No. II.	..	..	104	..	104	..	
	Bettatti	..	..	8	..	8	..	
	Vulibettu addition	..	..	35	..	35	..	
	Kilingadi	..	..	3	..	3	..	No. 437, dated 5th November 1901.
	Rallia reserve addition No. II	..	..	3	..	3	..	No. 435, dated 8th November 1901.
	Udaiyari	.	..	37	..	37	..	
	Gudakalhalla reserve addition No. I.	..	..	40	..	40	..	
	Gudakalhalla addition No. II ..	..	..	70	..	70	..	
	Warwick No. I	..	..	80	..	80	..	
	Do. No. II	..	..	5	..	5	..	
	Nirmugihalla	..	..	17	..	17	..	
	Banahada	..	..	5	..	5	..	No. 483, dated 12th December 1901.
	Mulliseppe	..	..	7	..	7	..	
	Sandalwood block	..	..	14	..	14	..	No. 19, dated 26th December 1901.
	Barangadi	..	..	7	..	7	..	No. 89, dated 21st February 1902.
	Cherambadi addition	..	..	1,961	(*a*) 54	1,961	..	No. 292, dated 4th May 1901.
	Area notified in previous years ..	254,073	..	..	(*d*) 2	254,017	..	
	Total ..	254,073	397	2,916	56	256,933	401	
				Reserved lands not transferred to reserved forests during the year.				
	Cherambadi addition	..	..	20	..	20	..	No. 450, dated 20th November 1901.
	Area notified in previous years ..	61,878	..	..	(*c*) 2	61,876	..	
	Total ..	61,878	97	20	2	61,896	97	
				Reserved forests.				
North Coimbatore.	Akkur jorai	..	..	948	..	948	..	No. 166, dated 8th April 1902.
	Dodda Induvadi A and B ..	..	..	33	..	33	..	No. 386, dated 6th September 1901.
	Area notified in previous years ..	708,959	..	..	..	708,959	..	
	Total ..	708,959	1,108	981	..	709,940	1,109	

(*a*) Revised estimate. (*b*) Excluded at settlement. (*c*) Abandoned.
(*d*) Disafforested. * Area of the Walayar reserve transferred to South Coimbatore.

District.	Name of forest.	Area on 1st July 1901. Acres.	Area on 1st July 1901. Equivalent in square miles.	Added during the year. Acres.	Excluded. Acres.	Area on 30th June 1902. Acres.	Area on 30th June 1902. Equivalent in square miles.	Number and date of Notification of addition or transfer.
	Reserved lands not transferred to reserved forests during the year.							
North Coimbatore—*cont.*	Ennamangalam	10,240	..	..	..	10,240	..	No. 206, dated 21st May 1902.
	Nagalur	1,120	..	..	..	1,120	..	
	Vellamundi extension	..	..	6	..	6	..	
	Sirganhalli sandalwood plantation.	33	..	..	(*b*) 33	..	..	No. 163, dated 7th April 1902.
	Area notified in previous years ..	334,560	..	..	..	334,560	..	
	Total ..	345,953	540	6	33	345,926	540	
	Reserved forests.							
South Coimbatore.	Walayar reserve	..	..	3,017	..	3,017	..	Transferred from the South Malabar Division. Board's Proceedings, No. 21, dated 14th April 1902.
	Mary or Andiparai Estate ..	..	..	303	..	303	..	No. 385, dated 2nd September 1901.
	Avanashi Palmyra tope	..	..	66	..	66	..	No. 28, dated 11th January 1902.
	Area notified in previous years ..	420,271	..	..	..	420,271	..	
	Total ..	420,271	657	3,386	..	423,657	662	
	Reserved lands not transferred to reserved forests during the year—Nil.							
	Reserved forests.							
Madura.	Kadavumalai	..	..	1,236	..	1,236	..	No. 438, dated 8th November 1901.
	Thoppaswamimalai	..	..	7,000	..	7,000	..	No. 453, dated 18th November 1901.
	Area notified in previous years ..	382,733	..	..	(*c*) 927	381,806	..	
	Total ..	382,733	598	8,236	927	390,042	610	
	Reserved lands not transferred to reserved forests during the year.							
	Gundar Valley extension ..	..	..	5,860	..	5,860	..	No. 467, dated 3rd December 1901.
	Area notified in previous years.	236	..	..	..	236	..	
	Total ..	236	..	5,860	..	6,096	10	
	Reserved forests.							
Tinnevelly.	Area notified in previous years.	271,407	424	(*a*) 5,579	(*a*) 1,240	275,746	431	
	Reserved lands not transferred to reserved forests during the year.							
	Naranapuram	..	..	281	..	281	..	No. 190, dated 7th May 1902.
	Area notified in previous years.	3,179	..	..	..	3,179	..	
	Total ..	3,179	5	281	..	3,460	5	

(*a*) Revised estimate. (*b*) Abandoned. (*c*) Disafforested.

Appendix A.—District areas and Forest reserves.

Districts.	Total district area including feudatory and tributary states.	Area excluding zamindari, whole and inam villages and minor inams in ryotwari tracts.	Occupied area.	Particulars of remaining area (column 3 — column 4).			Reserved forests and reserved lands.			Percentage of column 10 to column 3.	Percentage of column 10 to column 7.
				Unoccupied, cultivable, uncultivable and forest areas.	Areas for which returns are not available.	Total of columns 5 and 6.	Reserved forests under Act V of 1882.	Reserved lands.	Total of reserves, columns 8 and 9.		
1	2	3	4	5	6	7	8	9	10	11	12
Northern Circle.	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.		
Ganjám	8,369	4,437	624	1,129	2,684	3,813	536	2	538	12·13	14·11
Vizagapatam	17,242	1,380	269	512	599	1,111	245	99	344	24·93	30·96
Gódávari	(*a*) 7,972	(*d*) 3,897	1,603	2,281	13	2,294	951	76	1,027	26·35	44·77
Kistna	8,498	5,622	3,210	2,231	181	2,412	920	139	1,059	18 84	43·91
Kurnool	7,514	(*b*)(*e*) 6,586	2,097	4,489	..	4,489	2,296	407	2,703	41·04	60 21
Bellary	5,696	(*b*) 4,615	2,763	1,882	..	1,882	561	75	636	13·69	33·79
Anantapur	5,558	4,684	2,087	2,594	3	2,597	508	2	510	10·89	19·64
Total ..	60,849	31,251	12,653	15,118	3,480	18,598	6,017	800	6,817	21·81	36·65
Central Circle.											
Cuddapah	8,723	(*b*) 7,582	(*f*) 2,143	5,439	.	5,439	2,191	198	2,389	31·51	43·92
Nellore	8,765	4,077	1,750	2,315	12	2,327	723	38	761	18·67	32·70
Chingleput	3,092	2,051	1,031	1,010	10	1,020	214	..	214	10·43	20·98
North Arcot	7,365	3,912	1,356	2,551	5	2,556	1,266	29	1,295	33·10	50·67
South Arcot	5,216	4,746	2,453	2,218	75	2,293	661	3	664	13·99	28·96
Salem	7,529	5,389	2,169	3,220	..	3,220	1,470	180	1,650	30·62	51·24
Trichinopoly	3,631	2,686	1,673	1,000	13	1,013	269	47	316	11·76	31·19
Tanjore	3,706	2,487	1,783	689	15	704	19	..	19	00·76	2·70
Total ..	48,027	32,930	14,358	18,442	130	18,572	6,813	495	7,308	22·19	39·35
Southern Circle.											
South Canara	3,902	3,883	710	3,173	..	3,173	662	413	1,075	27·68	33·88
Malabar	5,630	(*b*) 5,602	1,547	4,055	..	4,055	449	52	501	8·94	12·36
The Nilgiris	957	957	308	649	..	649	401	97	498	52·04	76·73
Coimbatore	7,860	7,176	3,888	3,288	..	3,288	1,771	540	2,311	32·20	70·29
Madura	8,813	(*b*) 3,247	1,696	1,551	..	1,551	610	10	620	19·09	39·97
Tinnevelly	5,389	3,567	2,299	1,263	5	1,268	431	5	436	12·22	34·38
Total ..	32,551	24,432	10,448	13,979	5	13,984	4,324	1,117	5,441	22·27	38·91
Grand Total .	141,427	88,613	37,459	47,539	3,615	51,154	17,154	2,412	19,566	22·08	38·25

(*a*) Increase due to revised figures furnished by the Superintendent of Survey having been adopted.
(*b*) Area by village papers has been adopted, as it is in excess of survey area.
(*c*) The figures in column 3 are exclusive of the area of minor inams in Government villages.
(*d*) Decrease due to revision of area figures based on rough estimation of unsurveyed portions such as hills, rivers, &c.
(*e*) Decrease due to correction of error.
(*f*) Increase due to inam having reverted to Government.

Appendix B.—Reserved forests in square miles.

Districts.	Up to 1900–1901.	During 1900–1901.	During 1901–1902.	Total.
1	2	3	4	5
Northern Circle.	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.
Ganjám	488	13	36	536
			(b) — 1	
Vizagapatam	221	3	21	245
Gódávari	944	7	..	951
Kistna	803	36	81	920
Kurnool	2,075	155	64	2,296
		(a) + 2		
Bellary	523	22	11	561
			(a) + 5	
Anantapur	507	1	..	508
Total ..	5,561	239	217	6,017
Central Circle.				
Cuddapah	2,028	101	62	2,191
Nellore	667	31	25	723
Chingleput	210	3	1	214
North Arcot	1,183	13	7	1,266
			(a) + 63	
South Arcot	685	8	9	661
			(a) — 41	
Salem ..	1,257	72	82	1,470
		(a) — 6	(a) + 65	
Trichinopoly	240	24	5	269
Tanjore	18	..	(a) + 1	19
Total ..	6,288	246	279	6,813
Southern Circle.				
South Canara	497	150	16	662
			(b) — 1	
North Malabar	159	42	30	231
South Malabar	190	33	(c) — 5	218
The Nilgiris	389	8	4	401
North Coimbatore	1,106	2	1	1,109
South Coimbatore	657	..	5	662
Madura	597	1	13	610
			(b) — 1	
Tinnevelly ..	418	6	(a) + 7	431
Total ..	4,013	242	69	4,324
Grand Total ..	15,862	727	565	17,154

(a) Revised estimate. (b) Declared unreserved. (c) Transferred to South Coimbatore.

FORM No. 45.

STATEMENT showing the Progress made in, and the Expenditure incurred on, Forest Settlements during 1901–02.

FORM

Forest

STATEMENT showing the Progress made in, and the Expenditure

Name of forest district.	Area already settled at commencement of year.	Areas finally settled during the year.					Entire cost per square mile of areas finally settled during the year.
		Number and date of Government Order according final sanction to the settlement.	Name of forest settled.	Area.	Expenditure incurred during the year on areas finally settled.		
					In forest accounts.	In other accounts.	
1	2	3	4	5	6	7	8
							NORTHERN
	SQ. MLS.			SQ. MLS.		RS.	RS.
Ganjám ..	501	No. 134, Rev., dated 4th February 1902.	Kriyamba	34	..	..	..
	*— 1	No. 1191, Rev., dated 26th December 1901.	Darpangia extensions ..	2	..	..	..
		No. 545, Rev., dated 27th June 1901.	Chendragiri enclosure ..	(a)	..	..	..
			Total ..	36	..	..	..
Vizagapatam.	224	No. 350, Rev., dated 1st May 1901.	Barnakonda	20·98	..	..	..
			Total ..	20·98	..	..	..
Gódávari ..	951	No. 414, Rev., dated 12th May 1902.	Darbhagudem extension ..	1	..	345	..
			Total ..	1	..	345	..
Kistna ..	868	No. 207, Rev., dated 25th February 1902.	Kandlakunta extension No. 1.	22·81	..	2,170	26
		No. 397, Rev., dated 7th May 1902.	Kakirala extension No. 4 ..	1·89	..		
		No. 225, Rev., dated 1st March 1902.	Bandar Fort extension No. 3.	3·55	..		
		No. 1190, Rev., dated 26th December 1901.	Bandar Fort extension No. 4.	20·00	..		
		No. 877, Rev., dated 20th Sept. 1901.	Kadavakuduru	2·00	..		
		No. 983, Rev., dated 25th Oct. 1901.	Dindi extension No. 1 ..	0·55	..		
		No. 165, Rev., dated 17th February 1902.	Motupalli	1·02	..		
		No. 1066, Rev., dated 16th November 1901.	Kothur extension No. 3 ..	0·34	..		
		No. 543, Rev., dated 26th June 1902.	Do. ,, 4 ..	0·21	..		
		No. 599, Rev., dated 11th July 1902.	Venkatayapalem extension No. 4.	2·13	..		
		....	Mandadi	6·00	..		
		....	Yelachitladibba extension ..	0·73	..		
		....	Nachugunta block No. 2	4·30	..		
		....	Kodurparra	8·90	..		
		....	Ipurupalem	7·23	..		
			Total ..	81·66	..	..	..

(a) Below 1 square mile.

* Disafforested.

No. 45.

Department.

incurred on, Forest Settlements during 1901–1902.

Areas undergoing settlement.						
At commencement of the year.		Taken in hand during the year.		Expenditure incurred during the year on areas undergoing settlement.		Estimate of areas in which settlement operations have not yet commenced.
Name of tract.	Area.	Name of tract.	Area.	In forest accounts.	In other accounts.	
9	10	11	12	13	14	15
CIRCLE.						
....	SQ. MLS. ..	....	SQ. MLS. ..	RS. ..	RS. ..	SQ. MLS. 62
....	..	....	..	..	..	
....	..	....	..	..	..	
Total ..	..	Total ..	..	..	..	
Kadagandi	16	Sarugudu blocks Nos. 1, 2, 3 and 4.	30	454	..	46
Palkonda	7	Donabhai				
Total ..	23	Total ..	30	454	..	
....	..	Coringa Extension	75	..	..	
Total ..	..	Total ..	75	..	..	
Muppalla	7·64	Munipeda	1·71			
Pasvemula extension No. 9 ..	0·79	Kanur	2·61			
Kondapalli do. ,, 4 ..	0·90	Interu	6·89	..	3,288	Kona .. 13·89
Ramannapeta block	0·81	Ramperu block Nos. 1 and 2 ..	7·12			Sorlagondi Extension No. 1. 23·57
Jaggayyapeta extension No. 4.	0·11					
Do. do. ,, 2.	0·56					Bhavadevarapalli. 15·42
Venkatayapalem extension No. 5.	6·44					
Venkatayapalem extension No. 8.	3·36					
Venkatayapalem extension No. 10.	2·50					
Kuntimaddi	1·20					
Vemavaram extension No. 1.	0·41					
Tangeda extension No. 3 ..	1·13					
Pillutla	4·41					
Tangeda extension No. 4 ..	0·01					
Venkatayapalem extension No. 2.	2·81					
Govindaparam	2·91					
Total ..	35·99	Total ..	18·33	..	3,288	52·88

Statement showing the Progress made in, and the Expenditure

Name of forest district.	Area already settled at commencement of year.	Areas finally settled during the year.					Entire cost per square mile of areas finally settled during the year.
		Number and date of Government Order according final sanction to the settlement.	Name of forest settled.	Area.	Expenditure incurred during the year on areas finally settled.		
					In forest accounts.	In other accounts.	
1	2	3	4	5	6	7	8
							NORTHERN
	SQ. MLS.			SQ. MLS	RS.	RS.	
Kurnool ..	2,232	No. 658, Rev., dated 1st August 1901.	Eastern Nallamalai block No. 4.	44	..	148	..
		No. 1186, Rev., dated 26th December 1901.	Eastern Nallamalai block No. 5.	14	..		
		No. 180, Rev., dated 21st February 1902.	Oddapalli	2	..		
		No. 189, Rev., dated 21st February 1902.	Nallamekalapalli	1	..		
		No. 320, Rev., dated 2nd April 1902.	Mettupalli No. I	3	..		
		No. 403, Rev., dated 8th May 1902.	Kottakota date	½	10		
		No. 459, Rev., dated 26th May 1902.	Devagudipad	4½	..		
		No. 518, Rev., dated 9th June 1902.	Pyapalli extension No. 2 ..	5	..		
			Total ..	74	10	148	..
Bellary ..	551	No. 370, Rev., dated 20th September 1901.	Chikkantapuram	3	95	345	..
		No. 517, Rev., dated 9th June 1902.	Nandibanda	8			
		No. 187, Rev., dated 21st February 1902.	Bondinakal	4			
		No. 828, Rev., dated 10th September 1901.	Hirehal, A and B	4			
		No. 646, Rev., dated 22nd July 1902.	Hyarada	2			
			Total ..	21	95	345	..
Anantapur ..	508	No. 468, Rev., dated 31st December 1901.	Kaki	⅔	..	..	..
			Total ..	⅔	..	..	..
Cuddapah ..	2,129	No. 1071, Rev., dated 18th November 1901.	Palkonda extensions A to E ..	47	..	..	..
		No. 252, Rev., dated 11th March 1902.	Gadikota extension	15	..	..	..
		No. 798, Rev., dated 6th September 1901.	Gundlabhavi tope	(a)	..	..	..
		No. 935, Rev., dated 8th October 1901.	Chintagunta tope				
		No. 798, Rev., dated 8th September 1901.	Guvvala cheruvu tope ..				
		No. 188, Rev., dated 21st February 1901.	Pottipad tope				
		No. 462, Rev., dated 27th May 1901.	Kondur A and B tope ..				
		No. 462, Rev., dated 27th May 1902.	Saidapuram tope				
		No. 444, Rev., dated 14th May 1902.	Appayapalli tope				
			Total ..	62	..	..	..
							CENTRAL
Nellore ..	698	No. 23, Rev., dated 4th January 1902.	Peda Irlapad	6	..	..	..
		No. 320, Rev., dated 1st April 1902.	Inimerla	6	..	..	..
		No. 1187, Rev., dated 26th December 1901.	Vidavalur tope	¼	..	..	..
		No. 233, Rev., dated 4th March 1902.	Timmasamudram tope ..	(a) ..	..	..	..
		No. 659, Rev., dated 1st August 1901.	Marupur extension	1	..	..	..

(a) Below 1 square mile.

incurred on, Forest Settlements during 1901-1902—*cont.*

Areas undergoing settlement.				Expenditure incurred during the year on areas undergoing settlement.		Estimate of areas in which settlement operations have not yet commenced.
At commencement of the year.		Taken in hand during the year.				
Name of tract.	Area.	Name of tract.	Area.	In forest accounts.	In other accounts.	
9	10	11	12	13	14	15
CIRCLE—*cont.*						
	SQ. MLS.		SQ. MLS.	RS.	RS.	SQ. MLS.
Panem	37	Sirvel addition No. 7 ..	5	86	1,649	97
Gani	88	(Mittapalle)				
Eastern Nallamalai block No. 8.	3½	Yadvada	2	..		
		Owk	52	..		
Eastern Nallamalai block No. 9.	7	Eastern Nallamalai block No. 14.	7	..		
Eastern Nallamalai block No. 11.	8	Yeddupenta	2½	..		
		Kottaburuzu	2	..		
Eastern Nallamalai block No. 12.	6	Southern Veligonda extension.	10½	..		
		Northern do.	20	..		
Eastern Nallamalai block No. 13.	3	Eastern Nallamalai—				
		Block No. 6 (*a*)	8	..		
Podilla	1	Do. ,, 6 (*b*)	4	..		
Pyapalli extension No. 1 ..	2½	Do. ,, 6 (*c*)	3	..		
Tekulakonda extension No. 1.	2	Do. ,, 7	4	..		
Do. No. 2.		Do. ,, 10	8	..		
		Jaladurgam extension No. 3 ..	7	..		
		Do. ,, 1 ..				
		Pattikonda	7	..		
Total ..	158	Total ..	112	86	1,649	
Chintlapalli	2	Haladahalli, A and B ..	½	..	..	49
		Mundrigi				
Total ..	2	Total ..	½	..	..	
Kadihalli block No. 1 ..	2	....	..	..	..	
Do. ,, 2 ..						
Do. ,, 3 ..						
Total ..	2	Total ..	..	..	..	
Idupalapaya extensions No. I and II.	21	....	..	..	..	
Ganganapalli extensions ..	60					
Sangasamudram	8					
Vellutla extension A	5					
Seshachalam extension A ..	61					
Do. D ..	26					
Papipalle, east and west ..	17					
Kondapuram plantation ..	(*a*)					
Diguvapatnam						
Tallaproddatur						
Dhanaiyami cheruvu						
Total ..	198	Total ..	..	..	..	
CIRCLE.						
Nandanavanam block B, extension A.	1¾	Kottapatam casuarina plantation extension.	¼	..	..	
Penubarti	2½	Utukur varini casuarina plantation block C extension A and B.	¾	..	..	
Dachur	3					
Udayagiri Veligonda block A extension.	2¼					

(*a*) Below one square mile each.

* The costs of settlement have not been apportioned to different columns. The total cost spent during the year is as follows:—

	RS.	A.	P.	
In forest accounts	131	10	3	(compensation of lands taken).
In other accounts furnished by Forest Settlement-officer.	1,366	10	1	
Total ..	1,498	4	4	

Statement showing the Progress made in, and the Expenditure

Name of forest district.	Area already settled at commencement of year.	Areas finally settled during the year.					
		Number and date of Government Order according final sanction to the settlement.	Name of forest settled.	Area.	Expenditure incurred during the year on areas finally settled.		Entire cost per square mile of areas finally settled during the year.
					In forest accounts.	In other accounts.	
1	2	3	4	5	6	7	8
							CENTRAL
	SQ. MLS.			SQ. MLS.		RS. A. P.	RS. A. P.
Nellore—*cont.*	698	No. 680, Rev., dated 6th August 1901.	Vadlapudi extension	½	..	..	..
		No. 124, Rev., dated 1st February 1902.	Biradavole extension	½	..	..	..
		No. 1161, Rev., dated 16th December 1901.	Survepalli extension	1½	..	..	..
		No. 26, Rev., dated 4th January 1902.	Devaravemur A and B topes.	(*a*)	..	..	..
		No. 496, Rev., dated 11th June 1901.	Guvvadi, east	2	..	..	..
		No. 576, Rev., dated 3rd July 1901.	Guvvadi, west	2½	..	..	..
		No. 729, Rev., dated 17th August 1901.	Bhairavaram	3	..	..	..
		No. 240, Rev., dated 6th March 1902.	Thotalacheruvupalli	1¾	..	..	..
			Total ..	25	25	..	1 0 0
Chingleput.			*Nil.*				
North Arcot.	1,196·03 63·25	No. 126, Rev., dated 1st February 1902.	Thotakanama	7·36	..	341 10 6	46 7 0
			Total ..	7·36	..	341 10 6	46 7 0
South Arcot.	702 — 41*	No. 546, dated 23rd June 1902.	Damarakadu	9	..	..	..
			Total ..	9	..	..	..
Salem ..	1322 + 65*	No. 446, Rev., dated 30th May 1901.	Konur	3·76	..	..	..
		No. 683, Rev., dated 6th August 1901.	Shelur	28·44	..	..	..
		No. 544, Rev., dated 27th June 1901.	Veppampatti extension ..	7·19	..	..	..
		No. 427, Rev., dated 24th May 1901.	Kalnad extension	2·25	..	..	..
			Nochikuttai extension ..	6·35	..	..	..
		No. 424, Rev., dated 24th May 1901.	Pani	27·75	..	..	..
		No. 657, Rev., dated 1st August 1901.	Kallavi	6·37	..	..	..
			Total ..	82·11	..	..	..

(*a*) Below one square mile.

* Due to recomputation of areas.

incurred on, Forest Settlements during 1901–1902—*cont.*

Areas undergoing settlement.						Estimate of areas in which settlement operations have not yet commenced.
At commencement of the year.		Taken in hand during the year.		Expenditure incurred during the year on areas undergoing settlement.		
Name of tract.	Area.	Name of tract.	Area.	In forest accounts.	In other accounts.	
9	10	11	12	13	14	15

CIRCLE—*cont.*

	SQ. MLS.		SQ. MLS.	RS. A. P.	RS. A. P.	SQ. MLS.
Udayagiri-Veligonda block B extension.	2	Lebur A & B topes	⅓	..	..	13
Kanuparti casuarina plantation extension.	1⅓					
Chinna Annalur A tope ..						
Do. B ,, ..						
Do. C ,, ..						
Do. D ,, ..						
Do. E ,, ..	½					
Do. F ,, ..						
Brahmanakraka						
Kodur tope						
Nallapallem	3					
Kakakivaya tope	1¼					
Srikolanu tope	½					
Amanicheruvella and Inagalur topes.	1					
Irakam tope	2					
Venad tope	2¼					
Total ..	23	Total ..	1⅓	57	2 8 8	
Peddur extension	15·57					
Nellipatla	12·00	*Nil.*	..	†603 12 0	1,024 15 8	
Napier extension	·04					
Total ..	27·61	Total ..	..	603 12 3	1,024 15 8	1
Kattuvananjur tope	3	....	..	..	..	
Odayanatham						
Total ..	3					
Tirumanur	9·35	Nagur extension	4	..	1,366 10 2	
Bommiampatti	3·52					
Mangalam south extensions ..	4·62					
Naralapalli	5·88					
Ubbarani	18·94					
Sholapadi	5·46					
Mallur	11·42					
Kottapatti extension	20·84					
Vellakuttai	1·52					
Hudaidurgam	45·77					
Urigam	14·97					
Hulibanda	14·80					
Kempakerai	11·13					
Sanamavu	7·53					
Total ..	175·75	Total ..	4	..	1,366 10 2	

† For the acquisition of rights in Nellipatla reserve.

Statement showing the Progress made in, and the Expenditure

Name of forest district.	Area already settled at commencement of year.	Areas finally settled during the year.					
		Number and date of Government Order according final sanction to the settlement.	Name of forest settled.	Area.	Expenditure incurred during the year on areas finally settled.		Entire cost per square mile of areas finally settled during the year.
					In forest accounts.	In other accounts.	
1	2	3	4	5	6	7	8
							CENTRAL.
	SQ. MLS.			SQ. MLS.		RS.	RS. A. P.
Trichinopoly.	264·16	No. 568, Revenue, dated 2nd July 1901.	T. Kanapadi extension ..	·27			
		No. 1184, Revenue, dated 26th December 1901.	Pulivalam	1·35	..	..	..
		No. 209, Revenue, dated 1st April 1902.	Mavilipatti	2·81			
			Total ..	4·43	..	..	..
Tanjore ..	19	....	....	..	..	..	..
							SOUTHERN.
South Canara.*	646	No. 896, Revenue, dated 28th September 1901.	Kombar	15	..	67	4 4 0
		No. 895, Revenue, dated 28th September 1901.	Nire	1	..	..	..
			Total ..	16	..	..	..
North Malabar.*	231	....	....	..	..	..	..
South Malabar.*	218	....	....	..	..	..	..
				ACS.			
The Nilgiris.	396	No. 330, Revenue, dated 26th April 1901.	Sandynallah No. II	132	..	412	..
		Do.	Red Hill No. I	222	..	..	..
		No. 353, Revenue, dated 1st May 1901.	Kamari	51	..	..	..
		Do.	Pillurshola addition	16	..	..	..
		Do.	Bear hill No. II	18	..	..	..
		Do.	Gundorai addition	22	..	..	..
		Do.	Attimara	11	..	..	..
		Do.	Athigaratti addition No. II.	104	..	..	..
		Do.	Bettatti	8	..	..	..
		Do.	Volibettu addition	35	..	..	..
		No. 425, Revenue, dated 24th May 1901.	Cherambadi addition No. I ..	1,961	..	..	..

* The total cost on forest settlement for Malabar and South Canara incurred during the year was Rs. 766 which has been distributed as follows :—

	RS.
South Canara, 50 per cent.	383
North Malabar, 25 per cent.	191½
South Malabar ,, ...	191½
	766

incurred on, Forest Settlements during 1901–1902—*cont.*

Areas undergoing settlement.						Estimate of areas in which settlement operations have not yet commenced.
At commencement of the year.		Taken in hand during the year.		Expenditure incurred during the year on areas undergoing settlement.		
Name of tract.	Area.	Name of tract.	Area.	In forest accounts.	In other accounts.	
9	10	11	12	13	14	15
CIRCLE—*cont.*						
	SQ. MLS.		SQ. MLS.	RS.	RS.	SQ. MLS.
Thachankurichi ..	4·08	....	..	..	..	1
Mogavanur	1·78	....	..	..	..	
Kottathur	4·00	....	..	..	..	
Velur	5·06	....	..	..	..	
Nakkasalem	4·83	....	..	..	..	
Manmalai reserved forest extension.	1·08	....	..	..	..	
Maramareddipalaiyam ..	1·65	....	..	..	..	
Valkaradu	1·06	....	..	..	..	
Sathiramanai	3·07	....	..	..	..	
Viramachampatti	7·48	....	..	..	..	
Sengattupatti reserved forest extension.	2·53	....	..	..	..	
Vairisettipalaiyam	3·07	....	..	..	..	
Arasadi Arivithi	3·13	....	..	..	..	
Pulambadi No. I	4·50	....	..	..	..	
Total ..	47·32	Total ..	..	..	1,367	
	..		..	..	..	
CIRCLE.						
Hale Someshwar	3	Vorwadi	1	*Nil.*	316	355
New Someshwar	4	Dondalarabi	2	..	..	
Virakhamba	3	Kunthur extension	·03	..	..	
Kalanjimali	5	Mandekole	12	..	..	
Kunthur	6					
Kilarmale	14					
Narimogar	3					
Karadka	5					
Total ..	43	Total ..	15·00	..	..	
Ladysmith	4	....	..	..	..	80
....	..	....	..	..	..	33
	ACS.		ACS.			
Masikallu †	2	Cherambadi addition No. II ..	10	..	955	
Masikadavu	18	Do. No. III.	10	..	..	
Kudiashola No. III	75	....	..	..	..	
Kundah reserve addition No. V.	198	....	..	..	..	
Melkundah reserve	22	....	..	..	..	
Woodcockshola reserve ..	26	....	..	..	..	
Kukal valley	269	....	..	..	..	
Addition to Doddabetta No. I	59	....	..	..	..	
Denad reserve addition No. I.	125	....	..	..	..	
Turachibettushola	57	....	..	..	..	
Kattekadu adeola No. I ..	5	....	..	..	..	

† Thrown out.

LIBRARY OF THE BOMBAY BRANCH OF THE ROYAL ASIATIC SOCIETY

Statement showing the Progress made in, and the Expenditure

Name of forest district.	Area already settled at commencement of year.	Areas finally settled during the year.					
		Number and date of Government Order according final sanction to the settlement.	Name of forest settled.	Area.	Expenditure incurred during the year on areas finally settled.		Entire cost per square mile of areas finally settled during the year.
					In forest accounts.	In other accounts.	
1	2	3	4	5	6	7	8
							SOUTHERN
The Nilgiris —*cont.*	SQ. MLS. 396·99	No. 681, Revenue, dated 6th August 1901.	Addition to Dodabetta No. I..	SQ. MLS. 17	..	..	..
		No. 1029, Revenue, dated 5th November 1901.	Kilingadi	3	..	..	..
		No. 1041, Revenue, dated 8th November 1901.	Rallia reserve addition No II.	3	..	..	..
		Do.	Uduyarai	37	..	..	..
		Do.	Gudakalkalla addition No. I.	40	..	..	..
		Do.	Do. No. II.	70	..	..	..
		Do.	Warwick No. I	80	..	..	..
		Do.	Do. No. III	5	..	..	..
		Do.	Nirmugihalla	17	..	..	..
		No. 1156, Revenue, dated, 12th December 1901.	Banahada	6	..	..	..
		Do.	Mullisappe	7	..	..	..
		No. 1185, Revenue, dated 26th December 1901.	Sandalwood block	14	..	..	..
		No. 1189, Revenue, dated 26th December 1901.	Adichathadu shola	18	..	..	..
		No. 62, Revenue, dated 15th January 1902.	Addition to cairn hill	12	..	..	..
		No. 186, Revenue, dated 21st February 1902.	Baraiyadi block	7	..	..	..
		No. 266, Revenue, dated 14th March 1902.	Extension to cairn hill addition.	1	..	..	..
			Gwatkin	7	..	..	..
			Airlie	2	..	..	..
			Burnside	14	..	..	..
			Odasakadu	47	..	..	..
			Kalluru reserve addition ..	151	..	..	..
			Alagarhanni	22	..	..	..
			Illithorai	18	..	..	..
			Longwood reserve	48	..	..	..
			Toluyammayatti	20	..	..	..
			Mandileru	64	..	..	..
			Total ..	3,309 or 5·17 sq. miles	..	..	..

incurred on, Forest Settlements during 1901–1902—*cont.*

Areas undergoing settlement.						Estimate of areas in which settlement operations have not yet commenced.
At commencement of the year.		Taken in hand during the year.		Expenditure incurred during the year on areas undergoing settlement.		
Name of tract.	Area.	Name of tract.	Area.	In forest accounts.	In other accounts.	
9	10	11	12	13	14	15
CIRCLE—*cont.*						
Kattekadu adeola No. II ..	8	....	..			
Denad reserve No. Ii	43	....	..			
Pommanu reserve	48	....	..			
Imbarahatti reserve	2	....	..			
Pambarai reserve	21	....	..			
Kadeola reserve	32	....	..			
Hadumund reserve addition No. I.	46	....	..			
Hadumund reserve addition No. II.	20	....	..			
Curzon valley No. III ..	940	....	..			
Do. No. IV ..	223	....	..			
Denad reserve No. III ..	84	....	..			
Sundatti addition	35	....	..			
Pambarai reserve No. III ..	14	....	..			
Attakadu shola	72	....	..			
Warbreccan reserve	18	....	..			
Uppatti shola addition ..	17	....	..			
Kodanad Valley shola addition.	76	....	..			
Do. No. II.	170	....	..			
Sinnattu shola reserve addition	308	....	..			
Ullavanad mund shola No. I ..	46	....	..			
Do. No. II ..	16	....	..			
Madanad reserve addition ..	709	....	..			
Addition to Bettu reserve No. II	135	....	..			
Addition to Clyffe reserve ..	59	....	..			
Addition to Konakarai slopes reserve.	157	....	..			
Paravakadavu reserve ..	679	....	..			
Kannerihodai	7	....	..			
Sulligodu No. I	1	....	..			
Do. No. II	307	....	..			
Nedugala reserve addition ..	113	....	..			
Bergani block	1,053	....	..			
Mavadu addition No. II ..	90	....	..			
Santi	16	....	..			
Koderu reserve addition No. I.	36	....	..			
Neyyatti addition No. I ..	43	....	..			
Neralimara block No. I ..	9	....	..			
Do. No. II ..	2	....	..			
Kodamalai reserve No. II ..	18	....	..			
Lady Cannings seat reserve ..	133	....	..			
Audathorai reserve addition No. I	35	....	..			
Audathorai reserve addition No. II	58	....	..			
Addition to hill grove reserve	3	....	..			
Seven mile tope block ..	2	....	..			
Total ..	6,760 or 10·56 sq. miles.		20 or ·03 sq. miles.	..	..	

Statement showing the Progress made in, and the Expenditure

Name of forest district.	Area already settled at commencement of year.	Areas finally settled during the year.					
		Number and date of Government Order according final sanction to the settlement.	Name of forest settled.	Area.	Expenditure incurred during the year on areas finally settled.		Entire cost per square mile of areas finally settled during the year.
					In forest accounts.	In other accounts.	
1	2	3	4	5	6	7	8
							SOUTHERN
North Coimbatore.	SQ. MLS. 1,108	No. 345, Revenue, dated 8th April 1902.	Akkur Jorai	SQ. MLS. 1·48	..	..	..
		No. 789, Revenue, dated 6th September 1901.	Dodda Induvadi	·05	..	..	..
			Total ..	1·53	..	..	..
South Coimbatore.	660	No. 781, Revenue, dated 2nd September 1901.	Mary or Andiparai estate ..	0·47	..	..	..
		No. 57, Revenue, dated 11th January 1902.	Avanashi palmyra tope ..	0·11	..	..	..
			Total ..	·58	..	..	..
Madura ..	598·02 —*1	No. 1042, Revenue, dated 8th November 1901.	Kadavumalai	2·0	..	..	..
		No. 1072, Revenue, dated 18th November 1901.	Thoppasami malai	11·0			
			Total ..	13·0	..	..	..
Tinnevelly ..	431	No. 443, Revenue, dated 21st May 1902.	Extension No. 2 to Courtallam Reserve No. III.	0·208	..	..	..
		No. 423, Revenue, dated 14th May 1902.	Additions to Milavittan reserve No. 31.	0·110	..	..	..
			Total ..	0·318	..	..	..

* Disafforested.

incurred on, Forest Settlements during 1901–1902—*cont.*

Areas undergoing settlement.						Estimate of areas in which settlement operations have not yet commenced.
At commencement of the year.		Taken in hand during the year.		Expenditure incurred during the year on areas undergoing settlement.		
Name of tract.	Area.	Name of tract.	Area.	In forest accounts.	In other accounts.	
9	10	11	12	13	14	15
CIRCLE—*cont.*						
	SQ. MLS.		SQ. MLS.		RS.	SQ. MLS.
Yedaralli	212	Ennamangalam	16	..	..	21
Madesishwara Malai	246	Nagalur	1	..	..	
Hanûr	34					
Ullepalaiyam	6					
Barebetta	5					
Tamarakarai	12					
Sirganhalli (sandal wood * plantation).	05					
Vellamundi extension	(a)	....	..	..	..	
Total ..	515	Total ..	17	..	..	
....	..	....	..	..	..	
....	..	....	..	..	..	
Total ..	..	Total ..	..	..	..	
Koviladi block	·35	Gundar valley extension ..	9·00	..	..	
Total ..	·35	Total ..	9·00	..	..	
Vaippar	4·123	Naranapuram block	0·439	..	Rs. 1,366 10 1⅔	
Aruguli tope	0·525					
Total ..	4·638	Total ..	0·439	..	..	

* Abandoned.

APPENDIX C.

Forest Settlement.

PARTICULARS of balance of Lands under Settlement.

District.	Total number and area of blocks brought under settlement up to end of 1901–1902.		Total number and area of blocks constituted finally as reserved forests up to end of 1901–1902.		Balance at the end of 1901–1902.	
	Number.	Area.	Number.	Area.	Number.	Area.
1	2	3	4	5	6	7
Northern Circle.		SQ. MLS.		SQ. MLS.		SQ. MLS.
Ganjám	49	540 (*b*) — 3 (*c*) — 1	49	536	..	..
Vizagapatam	52	298	45	245	7	53
Gódávari	85	1,027	83	951	2	76
Kistna	228	1,017 (*b*) — 11	200	920	28	86
Kurnool	91	2,616 (*c*) — 10	63	2,296	28	310
Bellary	145	574	140	561	5	13
Anantapur	80	510	77	508	3	2
Total ..	730	6,557	657	6,017	73	540
Cuddapah	216	2,395 (*a*) + 1 (*b*) — 7	199	2,191	17	198
Nellore	227	754 (*a*) + 1 (*b*) — 7	204	723	23	25
Chingleput	196	214	196	214	..	..
North Arcot	192	1,232 (*a*) + 63 (*b*) — 1	189	1,266	3	28
South Arcot	157	705 (*a*) — 41	155	661	2	3
Salem	178	1,585 (*a*) + 65	163	1,470	15	180
Trichinopoly	130 (*d*) — 1	316	115	269	14	47
Tanjore	15	18 (*a*) + 1	15	19	..	..
Total ..	1,310	7,294	1,236	6,813	74	481
South Canara	107	721 (*b*) — 1	95	662	12	58
North Malabar	23	245 (*b*) — 10	22	231	1	4
South Malabar	13 (*e*) — 1	223 (*e*) — 5	12	218	..	..
The Nilgiris	427 (*d*) — 1	413	361	401	65	12
North Coimbatore	50 (*d*) — 1	1,642 (*a*) — 1	40	1,109	9	532
South Coimbatore	21	663 (*a*) — 1	21	662	..	..
Madura	149	620	147	610	2	10
Tinnevelly	62	431 (*a*) + 5	57	431	5	5
Total ..	849	4,945	755	4,324	94	621
Grand Total ..	2,889	18,796	2,648	17,154	241	1,642

(*a*) Rectification. (*b*) Excluded at settlement. (*c*) Disafforested.
(*d*) Initial notification cancelled. (*e*) Transferred to South Coimbatore.

APPENDIX C—*cont.*

Forest Settlement—cont.

Particulars of balance of Lands under Settlement—*cont.*

District.	Settled and reported on.								Settled but not reported on.		Settlement proceeding.	
	Notified under section 16 during 1901-1902, but reservation effected only after 30th June 1902.		With Board or Government awaiting publication of Notification under section 16.		Returned by the Board for revision and remaining either with Collector, District Forest-officer or Forest Settlement-officer.		Total settled and reported on.					
	Number.	Area.	Number.	Area.	Number.	Area.	Number.	Area.	Number.	Area.	Number.	Area.
	8	9	10	11	12	13	14	15	16	17	18	19
Northern Circle.		SQ. MLS.		SQ. MLS.		SQ. MLS.		SQ. MLS.		SQ. MLS.		SQ. MLS.
Ganjám	..	..	..	..	..	..	..	..	..	..	..	..
Vizagapatam	..	..	..	..	1	16	1	16	1	7	5	30
Gódávari	1	1	..	..	..	..	1	1	..	..	1	75
Kistna	2	3	2	8	1	4	5	15	6	28	17	43
Kurnool	3	10	2	6	..	..	5	16	4	40	19	254
Bellary	1	8	1	2	..	..	2	10	..	..	3	3
Anantapur	..	..	..	..	..	..	..	..	3	2	..	..
Total, Northern Circle.	7	22	5	16	2	20	14	58	14	77	45	405
Central Circle.												
Cuddapah	4	(*a*) ..	2	(*a*) ..	1	107	10	107	7	91	..	..
Nellore	10	8	3	3	..	..	13	11	2	3	8	11
Chingleput	..	..	..	..	..	..	..	..	..	..	..	..
North Arcot	..	..	2	16	1	12	3	28	..	..	..	..
South Arcot	1	3	..	..	1	(*a*) ..	2	3	..	..	..	..
Salem	..	..	1	12	1	9	2	21	6	62	7	97
Trichinopoly	1	4	1	2	3	15	5	21	4	11	5	15
Tanjore	..	..	..	..	..	..	..	..	..	..	..	..
Total, Central Circle.	16	15	9	33	10	143	35	191	19	167	20	123
Southern Circle.												
South Canara	..	..	..	..	1	5	1	5	6	33	5	20
North Malabar ..	..	..	..	..	..	..	..	..	..	..	1	4
South Malabar ..	..	..	..	..	..	..	..	..	..	..	..	..
The Nilgiris	..	..	..	..	..	..	..	..	11	1	54	11
North Coimbatore ..	..	..	1	212	1	34	2	246	1	12	6	274
South Coimbatore ..	..	..	..	..	..	..	..	..	..	..	..	..
Madura	..	..	..	..	..	..	..	..	1	1	1	9
Tinnevelly	2	(*a*) ..	..	..	..	..	2	(*a*) ..	1	4	2	1
Total, Southern Circle.	2	(*a*) ..	1	212	2	39	5	251	20	51	69	319
Grand Total, Presidency.	25	37	15	261	14	202	54	500	53	295	134	847

(*a*) Below one square mile.

APPENDIX C—*cont.*

Forest Settlement—cont.

Particulars of balance of Lands under Settlement—*cont.*

Districts.	Of lands notified under section 4.																					
	1890-91.		1891-92.		1893-94.		1894-95.		1895-96.		1896-97.		1897-98.		1898-99.		1899-1900.		1900-1901.		1901-1902.	
	Number.	Area.	Number.	Area.	Number.	Area.	Number.	Area.	Number.	Area.	Number.	Area.	Number.	Area.	Number.	Area.	Number.	Area.	Number.	Area.	Number.	Area.
	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41
Northern Circle.		S. M.		S. M.		S. M.		S. M.		S. M.		S. M.		S. M.		S. M.		S. M.		S. M.		S. M.
Ganjám ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Vizagapatam ..	..	..	1	16	..	..	..	..	..	..	..	..	..	..	..	..	..	..	3	34	3	3
Gódávari ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1	1	75
Kistna	..	..	..	..	..	..	..	..	..	..	1	8	2	8	..	..	2	8	19	43	4	19
Kurnool ..	..	..	..	..	..	..	..	..	..	..	..	..	2	125	..	..	..	..	12	43	14	142
Bellary ..	..	..	..	..	..	..	..	..	..	..	1	2	..	..	..	..	..	..	2	11	2	(*a*)
Anantapur ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	3	2	..	..	..	..
Total ..	..	..	1	16	..	..	..	..	..	..	2	10	4	133	..	..	5	10	37	132	24	239
Central Circle.																						
Cuddapah ..	..	..	..	..	..	..	6	155	..	..	..	..	3	43	1	(*a*)	..	..	6	(*a*)	1	(*a*)
Nellore	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	6	15	15	9	2	1
Chingleput ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
North Arcot ..	..	..	..	..	..	..	..	..	1	16	1	12	..	..	..	..	..	..	1	(*a*)	..	..
South Arcot ..	..	..	..	..	..	..	..	..	..	..	2	3	..	..	..	..	..	..	..	..	..	..
Salem ..	..	..	..	..	..	..	..	..	1	19	..	..	..	..	1	5	3	19	9	132	1	5
Trichinopoly ..	..	..	..	..	..	..	..	..	..	..	4	13	..	..	10	34	..	..	..	..	..	..
Tanjore ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total ..	..	..	..	..	..	..	6	155	2	35	7	28	3	43	12	39	9	34	31	141	4	6
Southern Circle.																						
South Canara ..	..	..	..	..	..	..	1	3	1	4	3	13	..	..	2	20	..	..	1	3	4	15
North Malabar..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	4	..	..
South Malabar..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
The Nilgiris ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	6	1	58	11	1	(*a*
North Coimbatore	1	246	..	..	1	34	..	..	..	..	..	..	..	..	..	..	2	224	2	10	3	18
South Coimbatore	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Madura ..	..	..	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	9
Tinnevelly ..	..	..	..	..	..	..	..	..	..	..	..	..	1	(*a*)	2	4	..	..	1	1	1	(*a*)
Total ..	1	246	1	1	1	34	1	3	1	4	3	13	1	(*a*)	4	24	8	225	63	29	10	42
Grand Total ..	1	246	2	17	1	34	7	158	3	39	12	51	8	176	16	63	22	269	131	302	38	287

(*a*) Less than one square mile.

APPENDIX D.

CAUSES of delay in the submission of final notifications of forest reserves.

Districts.	Causes of delay.														
	Notified under section 16 during 1901–1902, but with effect only after 30th June 1902.	With Board or Government awaiting publication of notification under section 16.	Pending preparation of maps.	Awaiting disposal of appeals.	Awaiting expiry of time prescribed for appeal.	Only recently notified or re-notified under section 4.	Awaiting payment of compensation for acquisition or exchange of lands.	Awaiting settlement of claims under enquiry.	Awaiting District Forest-officers' answers to claims, demarcation, &c.	Settled, but final report pending with the Collector or Forest Settlement-officer.	Pending with the Collector or Forest Settlement-officer for revision of notification.	Awaiting replies to references made to Collector or the Board.	Awaiting inspection by the Forest Settlement-officer.	Other causes, *i.e.*, awaiting information from Tahsildars, return of records from the District Court, &c.	Total.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Ganjám	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Vizagapatam	..	..	..	..	1	..	..	3	..	1	1	..	1	..	7
Gódávari	1	..	..	..	..	..	..	..	..	..	..	..	1	..	2
Kistna	2	2	..	1	..	..	3	..	4	5	1	..	4	6	28
Kurnool	3	2	..	..	..	8	..	..	3	2	..	..	9	1	28
Bellary	1	1	..	..	..	..	..	2	1	..	..	..	..	..	5
Anantapur	..	..	..	..	..	..	..	..	..	3	..	..	..	..	3
Cuddapah	4	2	..	4	..	..	..	..	..	3	4	..	..	..	17
Nellore	10	3	..	..	..	1	..	1	2	2	..	..	..	4	23
Chingleput	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
North Arcot	..	2	..	..	..	..	..	..	..	..	1	..	..	..	3
South Arcot	1	..	..	..	..	..	..	..	..	..	1	..	..	..	2
Salem	..	1	..	..	..	..	..	1	..	6	1	..	6	..	15
Trichinopoly	1	1	..	1	..	..	..	..	3	4	3	..	..	1	14
Tanjore	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
South Canara	..	..	..	4	..	1	..	3	..	..	1	..	3	..	12
North Malabar	..	..	..	..	..	..	..	1	..	..	..	..	..	..	1
South Malabar	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
The Nilgiris	..	..	..	..	..	..	..	28	1	14	..	..	22	..	65
North Coimbatore	..	1	..	..	1	2	..	1	1	1	1	..	..	1	9
South Coimbatore	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Madura	..	..	..	..	..	..	..	..	1	..	..	..	1	..	2
Tinnevelly	2	..	..	..	..	1	..	..	1	..	..	..	..	1	5
Total ..	25	15	..	10	2	13	3	40	17	41	14	..	47	14	241

Appendix E.

Reserved Lands not under Settlement in square miles.

Districts.	Up to 1900-1901.	Added during 1900-1901.	Added during 1901-1902.	Total.	Transferred for settlement.				Balance remaining "reserved lands" not under settlement.
					Up to 1900-1901.	During 1900-1901.	During 1901-1902.	Total.	
1	2	3	4	5	6	7	8	9	10
Northern Circle.									
Ganjám	539	2 (*d*) — 1	2 (*b*) — 3 (*h*) — 1	538	538 (*b*) — 3 (*h*) — 1	2	..	536	2
Vizagapatam ..	354	(*a*) — 4 (*e*) — 6	(*g*)	344	261	34	3	298	46
Gódávari	951	1	75	1,027	951	1	75	1,027	..
Kistna	1,128	3 (*a*) + 5 (*b*) — 13 (*c*) — 53 (*d*) — 2	(*a*) + 5 (*b*) — 11 (*c*) — 3	1,059	925 (*b*) — 11	73	14 (*a*) + 5	1,006	53
Kurnool	2,881	4 (*b*) — 8 (*c*) — 109 (*e*) + 1 (*f*) + 2	20 (*a*) + 8 (*b*) — 10 (*c*) — 86	2,703	2,424 (*b*) — 10	50	134 (*a*) + 8	2,606	97
Bellary	615	20 (*c*) — 4	(*f*) + 5	636	546 (*f*) + 5	23	..	574	62
Anantapur.. ..	510	..	..	510	510	..	..	510	..
Total ..	6,978	— 162	+ 1	6,817	6,135	183	239	6,557	260
Central Circle.									
Cuddapah	2,451	1 (*a*) — 15	(*b*) — 7 (*c*) — 42 (*e*) + 1	2,389	2,395 (*b*) — 7 (*e*) + 1	..	..	2,389	..
Nellore	755	14 (*b*) — 3	1 (*b*) — 7 (*e*) + 1	761	739 (*b*) — 7 (*e*) + 1	14	1	748	13
Chingleput ..	214	..	..	214	214	..	..	214	..
North Arcot ..	1,234	(*a*) + 2 (*b*) — 2	(*b*) — 1 (*e*) — 1 (*f*) + 63	1,295	1,233 (*b*) — 1 (*e*) — 1 (*f*) + 63	..	..	1,294	1
South Arcot ..	709	(*b*) — 4	(*f*) — 41	664	705 (*f*) — 41	..	..	664	..
Salem	1,453	131 (*a*) + 4 (*b*) — 1 (*f*) — 6	5 (*e*) — 1 (*f*) + 65	1,650	1,427 (*e*) — 1 (*f*) + 65	154	5	1,650	..
Trichinopoly ..	318	(*b*) — 2	..	316	316	..	..	316	..
Tanjore	18	..	(*f*) + 1	19	18 (*f*) + 1	..	..	19	..
Total ..	7,152	119	+ 37	7,308	7,120	168	6	7,294	14
Southern Circle.									
South Canara ..	1,093	(*a*) + 1 (*e*) — 4	(*a*) — 7 (*e*) — 7 (*h*) — 1	1,075	703 (*b*) — 1	3	15	720	355
North Malabar ..	272	4 (*b*) — 29	(*b*) — 10 (*c*) — 2	235	241 (*b*) — 10	4	..	235	..
South Malabar ..	328	(*b*) — 24 (*d*) — 33	* — 5	266	223	..	* — 5	218	48
The Nilgiris ..	489	11 (*e*) — 2	(*g*)	498	401	12	..	413	85
North Coimbatore.	1,639	11	(*e*) — 1	1,649	1,613 (*c*) — 1	11	18	1,641	8
South Coimbatore .	658	..	* + 5 (*e*) — 1	662	658 (*e*) — 1	..	* + 5	662	..
Madura	611	..	9	620	611	..	9	620	..
Tinnevelly ..	429	(*g*)	(*f*) + 7	436	429 (*f*) + 7	..	..	436	..
Total ..	5,519	— 65	— 13	5,441	4,873	30	42	4,945	496
Grand Total ..	19,649	— 108	+ 25	19,566	18,128	381	287	18,796	770

* Transferred from South Malabar to South Coimbatore.

(*a*) Revision. (*b*) Excluded at settlement. (*c*) Unreserved. (*d*) Initial notification cancelled.
(*e*) Rounding off fractions in previous years' returns. (*f*) Revision of areas already constituted reserved forests.
(*g*) Below one square mile. (*h*) Disafforested.

Form No. 46.

Forest Department, Madras Presidency.

Record of Demarcation and Maintenance of Boundaries.

District.	Length of boundaries artificially demarcated during the year.	Length of previously existing boundaries repaired.	Length of previously existing boundaries not repaired.	Total length of artificially marked boundaries at the close of the year.	Length of boundaries still to be demarcated at the close of the year.	Length of natural boundaries not requiring artificial marks.	Total length of boundaries at the close of the year.	Expenditure on demarcation during the year.	
								On new work.	On repairs.
1	2	3	4	5	6	7	8	9	10
Northern Circle.	MILES.	MILES.	MILES.	MILES.	MILES.	MILES.	MILES.	RS.	RS.
Ganjám	256	41	733	1,029	193	65	1,287	(*c*) 2,987	334
Vizagapatam	24	366	..	390	110	Not known.	500	530	84 — (*m*) 42
Gódávari	54	3 (*a*) 786	298	1,141	50	273	1,464	(*b*) and (*c*) 677	(*c*) and (*d*). 1,310 —(*m*) 676
Kistna	166	19	1,215	1,400	..	..	1,400	(*c*) 1,807 (*d*) 1,698 (*e*) 5	366
Kurnool	211	..	1,078	1,289	374	157	1,820	1,345	..
Bellary	39	429	1,123	1,591	15	..	1,606	242	203 —(*m*) 74
Anantapur	6	4	1,212	1,222	..	..	1,222	35	4
Total, Northern Circle ..	755	1,648	5,659	8,062	742	495	9,299	9,326	1,509
Central Circle.									
Cuddapah	186	11	3,244	3,441	126	..	3,567	1,083	15 —(*m*) 50
Nellore	168	22 (*a*) 20	1,605	1,815	37	86	1,938	(*c*) 1,482	(*c*) 78 +(*m*) 3
Chingleput	1	2 (*a*) 639	281	923	1	..	924	(*d*) 464 (*e*) 125 (*f*) 115 (*g*) 35 (*h*) 82	8 —(*m*) 22
North Arcot	(*l*) 120	(*a*) 2,091	150	2,361	..	44	2,405	991	—(*m*) 32
South Arcot	21	(*a*) 92	2,076	2,189	173	..	2,362	(*c*) 285 (*i*) — 88	+(*m*) 13
Salem	41	2,644	224	(*j*) 2,909	13	41	2,963	44	451 +(*m*) 126
Trichinopoly	133	393	380	906	241	..	1,147	756	59 —(*m*) 19
Tanjore	15	64	..	79	..	..	79	46	..
Total, Central Circle ..	685	5,978	7,960	14,623	591	171	15,385	5,420	630
Southern Circle.									
South Canara	376	47	2,222	2,645	158	110	2,913	4,625	(*k*) 228 —(*m*) 67
North Malabar	5	..	576	581	529	2	1,112	216	—(*m*) 98
South do.	12	15	96	123	72	112	307	(*c*) 382	166 +(*m*) 1
The Nilgiris	83	22	1,216	1,321	18	249	1,588	1,636	134 —(*m*) 6
North Coimbatore	71	12	50	133	..	..	133	1,030	67 +(*m*) 2239
South do.	3	9	505	517	..	78	595	6	65 —(*m*) 2
Madura	..	37 (*a*) 465	1,031	1,533	35	140	1,708	..	792 —(*m*) 71
Tinnevelly	46	38	422	506	64	17	587	1,202	231 + (*m*) 25
Total, Southern Circle ..	596	645	6,118	7,359	876	708	8,943	9,097	3,704
Grand Total, Presidency ..	2,036	8,271	19,737	30,044	2,209	1,374	33,627	23,843	5,843

N.B.—Boundaries include, besides the outer perimeter, the limits of enclosures of private or other lands within the forests, but not the limits of sub-divisions such as blocks, compartments and coupes. The lengths of boundaries of forests finally notified should alone be shown in this return.

(*a*) Repairs done by existing establishment free of cost.
(*b*) Includes cost of rectification of boundaries.
(*c*) Includes cost of constructing or repairing cairns or constructing slabs.
(*d*) Includes cost of temporary establishment.
(*e*) Cost of cutting 1½ miles length of compartment lines.
(*f*) Includes cost of planting and transplanting stones.
(*g*) Cost of removing prickly-pears.
(*h*) Coupe line clearings of about 33 miles.
(*i*) Represents cash recoveries on account of excess expenditure.
(*j*) Incorrectly entered in the return as 2,970.
(*k*) Rs. 96 was spent out of this in butting 3 feet line for the survey of India.
(*l*) Besides, 10 miles of existing boundary lines were rectified.
(*m*) Added or deducted as per Accountant-General's audited figur

ANNUAL FORM No. 47.

Forest Department, Madras Presidency

STATEMENT of Forest Areas surveyed and under survey during the year 1900-1901.

Districts.	Areas surveyed and under survey during the year 1900-1901.															
	Special Surveys—Maps on 4-inch scale or over by Survey of India Department or Madras Survey.								Ordinary, included in district surveys.							
	With interior details.					Boundary surveys.			With interior details.					Boundary surveys.		
	With details of growing stock.		Without details of growing stock.		Total cost.	Previous.	Of year.	Total cost.	With details of growing stock.		Without details of growing stock.		Total cost.	Previous.	Of year.	Total cost.
	Previous.	Of year.	Previous.	Of year.					Previous.	Of year.	Previous.	Of year.				
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.	RS.	L. MLS.	L. MLS.	RS.	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.	RS.	L MLS.	L. MLS.	RS.
Ganjám	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Vizagapatam	..	..	..	..	..	..	..	..	..	..	..	..	..	..	4	135
Gódávari	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Kistna	..	..	..	..	..	478	4	37	18	..	349	2	128	513	165	1,710
Kurnool	..	..	1,451	435	1,10,835	890	125	..	..	..	..	..	..	..	..	..
Bellary	..	..	..	..	..	..	..	..	..	..	569	..	..	..	..	..
Anantapur	..	..	168	..	..	..	..	..	..	..	188	..	..	..	..	..
Cuddapah	..	..	1,279	494	..	788	109	..	..	..	..	..	..	..	..	..
Nellore	..	..	..	..	..	..	..	..	..	..	..	..	..	16	..	179
Chingleput	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
North Arcot	..	..	1,198	..	..	..	..	..	..	..	..	..	..	..	..	..
South ,, ...	..	..	217	..	8,829	82	..	..	..	..	438	..	..	..	..	..
Salem	..	..	1,129	..	33,354	..	..	..	..	..	..	..	..	171	..	..
Trichinopoly	..	..	66	..	25,000	9	..	..	..	..	..	..	..	122	..	..
Tanjore	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
South Canara	..	..	196	297	21,500	301	160	..	..	..	..	..	..	..	..	..
North Malabar	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
South ,, ...	7	..	46	..	213	..	..	..	..	..	2	..	..	..	..	..
The Nilgiris	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
North Coimbatore.. ..	..	..	1,648	232	..	299	..	..	10,050	..	..	..	..	..	..	..
South ,, ...	..	..	657	..	..	..	..	..	..	..	5	..	..	..	..	..
Madura	..	..	598	12	..	..	..	..	..	..	..	..	..	..	..	..
Tinnevelly	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total ..	7	..	8,653	1,470	1,99,731	2,847	398	37	10,068	..	1,551	2	128	822	169	2,024

Statement of Forest Areas surveyed and under survey during the year 1901–1902—*cont.*

District	Areas surveyed and under survey during the year 1901-1902—*cont.*								Areas remaining to be taken under survey.	Total reserved forest area at end of year, as per Form No. 44.	Cost.		
	Chain and compass or other surveys by local officers.												
	With interior details.					Boundary surveys.							
	4-inch or over.		Under 4-inch.		Total cost.	Previous.	Of year.	Total cost.			Previous.	Of year.	Entire cost of all surveys to end of the year.
	Previous.	Of year.	Previous.	Of year.									
	18	19	20	21	22	23	24	25	26	27	28	29	30
	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.	RS	L. MLS.	L. MLS.	RS.	SQ. MLS.	SQ. MLS.	RS.	RS.	RS.
Ganjám	..	23	..	..	37	891	62	310	..	538	13,508	347	13,855
Vizagapatam	..	24	..	..	215	..	..	..	..	345	439	584	1,023
Gódávari	..	..	..	..	..	423	..	360	329	1,027	3,813	360	4,173
Kistna	4	..	..	..	..	177	..	..	..	1,059	12,405	1,947	14,352
Kurnool	5	..	..	..	254	126	..	1,713	415	2,703	91,177	21,625	1,12,802
Bellary	..	..	..	..	..	..	..	..	..	636	..	..	..
Anantapur	154	..	..	..	..	..	..	..	..	510	..	..	..
Cuddapah	..	..	..	..	..	..	..	..	..	2,389	71,512	19,000	90,512
Nellore	..	..	..	..	..	..	..	..	..	761	397	179	576
Chingleput	..	..	..	..	..	..	..	..	..	214	..	..	..
North Arcot	97	..	..	..	..	..	..	..	..	1,295	16,676	280	16,956
South „	6	..	..	..	52	..	..	..	..	664	8,881	..	8,881
Salem	..	..	..	..	..	5	..	251	128	1,650	33,354	..	33,354
Trichinopoly	1	..	..	..	..	..	..	..	71	316	25,000	..	25,000
Tanjore	19	..	..	..	..	..	..	..	..	19	..	..	..
South Canara	..	..	..	..	..	632	244	..	15	1,075	..	..	..
North Malabar	..	..	..	..	..	37	..	728	235	235	728	..	728
South „	..	..	..	..	..	184	..	778	211	266	1,092	213	1,305
The Nilgiris	..	..	..	..	..	..	..	..	..	498	..	..	..
North Coimbatore ..	..	..	..	..	..	..	..	..	..	1,649	66,923	10,050	76,973
South „ ..	..	..	..	..	..	..	..	..	..	662	..	..	..
Madura	..	..	..	..	..	..	..	..	..	620	..	..	..
Tinnevelly	..	..	..	..	..	..	..	..	..	436	..	..	..
Total ..	286	47	..	..	558	2,475	306	4,140	1,404	19,567	3,45,905	54,585	4,00,490

Appendix F.

Abstract of district reports in regard to the maintenance of maps in accordance with the provisions of section 81 of the Forest Code.

Northern Circle.

Ganjám.—The district, reserve and fire conservancy maps have been prepared in the five months during which a draughtsman was employed in the district.

Vizagapatam, Gódávari and Bellary.—The district, range and reserve maps are maintained up to date.

Kistna.—Maps for 10·55 square miles of reserved forests have been received in the year.

Anantapur.—Final maps have been prepared for 506 square miles of reserved forest, leaving a balance of 2 square miles for which maps have to be prepared.

Kurnool.—The district map has been posted to date; range and taluk maps have been maintained in all Range offices. Taluk maps posted up to date are also available in the District Forest-office. Sketch-maps to accompany notifications under sections 4 and 16 of the Act are maintained. Final maps from the Survey of India for the Railway Working Circle (portions of Nandyal and Cumbum reserves) and Ambavaram reserved forest have been received during the year.

Central Circle.

Cuddapah.—The district and taluk maps are maintained. Fair copies of five reserve maps have been prepared for photozincography in the Survey office, Madras. A fresh district map on $4'' = 1$ mile was prepared for office use; 24 tracings showing the outlines of reserves were prepared and supplied to the Survey of India. Beside the above, certain alterations to indicate contour lines of hills were carried out in 35 reserve maps prepared for photozincography.

Nellore.—Two copies of the sketches of the Kanigiri, two of the Kavali, four of the Udaiyagiri and six of the Rapur ranges have been prepared from the final maps and supplied to Range offices.

Chingleput.—The district and taluk maps and the atlas sheets have been posted to date. Rough sketches of 91 blocks of working-plans were divided into coupes for Range officers' use and 4 fair copies of Sathyavedu working-plan map and 12 block sketches of 12 reserves in the Chingleput range have been prepared.

North Arcot.—The district map is posted to date; taluk maps $1'' = 1$ mile, have been supplied to the Range officers, and copies are also kept in the District Forest-office; final maps for reserves covering an area of 1,226 square miles prepared by the Survey of India or by the Madras Survey office have been received and distributed among the Range officers.

South Arcot.—19 outline maps were supplied to the Range officers for posting final demarcation. 7 reserve maps and 10 outline tracings from forest survey maps were prepared. 16 Tahsildars' maps have been posted with forest boundaries. 5 tracings were prepared for working-plans from Survey of India maps. 16 maps were reduced from 8 to 4 inch scale for the purpose of working-plans. 10 outline tracings from the village survey maps for the working-plan purposes of Kallakurichi range and 2 key maps for the Tiruvannámalai working-plan were also prepared.

Salem.—146 reserve maps prepared by the Survey of India are available.

Tanjore.—The district as well as range maps are maintained as also separate maps for each reserve. Working-plan maps for the Vettangudi reserve, the north, south, and Neidavasal casuarina plantations, Shiyali taluk, are maintained.

Trichinopoly.—The district forest reference map, the taluk maps posted to date and range maps are maintained. Maps were prepared for some of the reserves for which working-plans were taken in hand during the year. Final maps for 2 reserved forests in Kulittalai, for 2 in Vyampatti, for 12 in Musiri, for 13 in Perambalúr and for 10 in Udayarpalayam ranges, aggregating in all 61 square miles, have been prepared.

Southern Circle.

South Canara.—The district reference map is maintained posted to date. Maps for all reserves except Bhagimale and Mujimale are also kept.

North Malabar.—The district reference map is approaching completion; final maps for the Peria and Padiri reserves have been prepared and maps of four other reserves viz., Adavankunnu, Advankunnu extension, Kanoth and Kanoth extension, are under preparation.

South Malabar.—The district reference map has been posted to date. Reserve and range maps have been maintained. Working circle maps have also been prepared.

The Nilgiris.—The office reference map as well as Range and settlement maps have been posted to date. There are no separate maps for reserves except for Mudumalai, Benne and Kombarakolli reserves; but there are settlement maps for every village in the district on which are shown all the reserves notified under section 16 of the Forest Act. Maps for ten working-circles have also been prepared.

North Coimbatore.—The office reference map has been maintained. Topographical sheets are used as Range reference maps. Reserve maps have been prepared for all the reserves in the Erode range. The settlement maps in most cases together with topographical sheets are used by Rangers for reserve maps.

South Coimbatore.—The District reference map has been maintained in duplicate. The taluk maps 1″=1 mile have been utilized instead of range maps and particulars relating to the five ranges have been entered therein. There are also maps for each working circle.

Madura.—Survey of India maps have been received for all but ten reserved forests. Additions and corrections have been made in the map of Thoppaswami Malai reserve.

Tinnevelly.—The district reference map has been posted to date. Final maps for all the principal hill forests except 8 reserves have been prepared.

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Appendix G.

Statement showing Area of Reserved Forests for which final Maps have been prepared.

Districts.	Area of reserved forests.	Area of reserved forests for which final maps have been prepared.
	SQ. MILES.	SQ. MILES.
Ganjám	536	536
Vizagapatam	245	14
Gódávari	951	..
Kistna	920	561
Kurnool	2,296	174
Bellary	561	496
Anantapur	508	506
Cuddapah	2,191	2,135
Nellore	723	171
Chingleput	214	214
North Arcot	1,266	1,224
South Arcot	661	661
Salem	1,470	1,045
Trichinopoly	269	61
Tanjore	19	19
South Canara	662	647
North Malabar	231	159
South Malabar	218	35
The Nilgiris	401	..
North Coimbatore	1,109	24
South Coimbatore	662	658
Madura	610	596
Tinnevelly	431	410
Total ..	17,154	10,346

ANNUAL FORM No. 48.

Forest Department, Madras Presidency.

PROGRESS made in Working-Plans during 1901–1902.

District.	Areas for which working-plans have been completed and approved by the Board.		Areas for which working-plans are being compiled or have been compiled but not sanctioned.		Areas for which working-plans have still to be taken in hand.	Total forest area as in Form No. 44.	Entire cost per square mile of working-plans completed.	* Remarks.
	At commencement of year.	Taken in hand during year.	At commencement of year.	During year.				
1	2	3	4	5	6	7	8	9
Northern Circle.	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.	RS. A P.	RS.
Ganjám	..	..	..	66	472	538	..	3
Vizagapatam	..	21	..	3	320	344	..	31
Gódávari	52	..	248	15	712	1,027	..	101
Kistna	8	..	(*e*)	55	996	1,059	..	2
Kurnool	158	..	2	73	2,470	2,703	..	10
Bellary	12	..	134	70	420	636	..	..
Anantapur	..	..	..	..	510	510	..	..
Total ..	230	21	384	282	5,900	6,817	..	147+(*a*) 357
Central Circle.								
Cuddapah	3	..	..	..	2,386	2,389	..	33
Nellore	108	..	445	7	201	761	..	221
Chingleput	(*f*)	..	..	109	105	214	..	49
North Arcot	..	451	179	355	310	1,295	..	152
South Arcot	..	321	2	120	221	664	..	121
Salem	220	135	77	143	1,075	1,650	..	107
Trichinopoly	1	..	32	5	278	316	..	185
Tanjore	4	..	..	5	10	19	..	..
Total ..	336	907	735	744	4,586	7,308	..	868+(*b*) 33
Southern Circle.								
South Canara	1	..	5	680	389	1,075	..	..
North Malabar	..	..	..	178	57	235	..	15
South Malabar	34	..	..	..	232	266	..	122
The Nilgiris	6	10	14	7	461	498	..	..
North Coimbatore ..	62	313	..	..	1,274	1,649	..	..
South Coimbatore ..	10	224	..	..	428	662	..	..
Madura	248	108	..	..	264	620	..	157
Tinnevelly	56	30	142	3	205	436	..	..
Total ..	417	685	161	868	3,310	5,441	..	294+(*c*) 583
Grand Total ..	983	1,613	1,280	1,894	13,796	19,566	..	1,309+(*d*)973

* The figures in column 9 represent the cost incurred during the year under A. Conservancy and Works VIII (*d*).

(*a*) Amount spent under Northern Circle "Direction" A-VIII (*d*) Conservancy and Works.

(*b*) Amount spent under Central Circle "Direction" A-VIII (*d*) Conservancy and Works.

(*c*) Amount spent under Southern Circle "Direction" A-VIII (*d*) Conservancy and Works.

(*d*) Lump sum spent under "Direction" A-VIII (*d*) in the 3 Circles.

(*e*) Less than one square mile.

(*f*) Working-plans for 33 square miles in the Chingleput district entered in column 3 of the last year's return have since been cancelled and were ordered to be revised.

ANNUAL.

Forest Department

Communications

District.	New work undertaken during the year.					Total expenditure on new work.
	Buildings.		Roads and paths.			
	Description of building.	Expenditure incurred.	Road or path and object of the same.	Length of road or path.	Expenditure incurred.	
1	2	3	4	5	6	7
						Northern
Direction ..	....	RS. ..	....	MLS. ..	RS. ..	RS. ..
Ganjám ..	(*a*) Head-quarter houses ..	595	....	..	..	747
	(*b*) Rest-houses	80				
	(*c*) Houses for subordinate establishments	72				
	Total, Ganjám ..	747	Total ..	..	..	747
Vizagapatam.	(*b*) Rest-houses	40	(*a*) Cart-roads	11	39	185
	(*c*) Houses for subordinate establishments	36				
	(*d*) Others	70				
	Total, Vizagapatam ..	146	Total ..	11	39	185
Gódávari ..	(*a*) Head-quarter houses ..	450	(*a*) Cart-roads	19	3,072	4,382
	(*b*) Rest-houses	191	(*b*) Bridle-paths	5	527	..
	(*c*) Houses for subordinate establishments	15				..
	(*d*) Others	127				
	Total, Gódávari ..	783	Total ..	24	3,599	4,382
Kistna ..	(*a*) Head-quarter houses ..	187	(*a*) Cart-roads	15	803	1,457
	(*b*) Rest-houses	405	(*b*) Bridle-paths	2	40	..
	(*d*) Others	22				
	Total, Kistna ..	614	Total ..	17	843	1,457
Kurnool ..	(*b*) Rest-houses	799	(*a*) Cart-roads	..	1,104	2,254
	(*c*) Houses for subordinate establishments	75				
	(*d*) Others	276				
	Total, Kurnool ..	1,150	Total ..	..	1,104	2,254
Bellary ..	(*c*) Houses for subordinate establishments	15	(*a*) Cart-roads	3	643	893
	(*d*) Others	235				
	Total, Bellary ..	250	Total ..	3	643	893

FORM No. 49.

Madras Presidency.

and Buildings.

Repairs executed during the year.					
Buildings.		Roads and paths.			Total expended on repairs.
Nature of repairs.	Expenditure incurred.	Nature of repairs.	Length repaired.	Expenditure incurred.	
8	9	10	11	12	13
Circle.					
	RS.		MLS.	RS.	RS.
(a) Head-quarter houses	60	Add A-VII (c) ..	..	..	60 4
Total ..	60	Total ..	..	..	64
(a) Head-quarter houses	1,320	(a) Cart-roads	..	306	1,626
		Add A-VII (c) ..	..	..	39
Total ..	1,320	Total ..	..	..	1,665
(a) Head-quarter houses	173	(a) Cart-roads	..	41	722
(b) Rest-houses	416				
(c) Houses for subordinate establishments	46				
(d) Others	46				
		Add A-VII (c) ..	..	..	327
Total ..	681	Total ..	..	..	1,049
(a) Head-quarter houses	105	(a) Cart-roads	18	517	2,422
(b) Rest-houses	182				
(c) Houses for subordinate establishments	..				
(d) Others	214	Add A-VII (c) ..	..	..	1,229
	501				
Add pay of temporary establishments.	1,404				
Total ..	1,905	Total ..	..	..	3,651
(a) Head-quarter houses	231	(a) Cart-roads	12	312	643
(d) Others	15				
	246				
		Add A-VII (c) ..	..	..	1,109
Add pay of temporary establishments ..	85				
Total ..	331	Total ..	..	..	1,752
(a) Head-quarter houses	396	(a) Cart-roads	26	413	..
(b) Rest-houses	382	(b) Bridle-paths	17	170	..
(d) Others	90		43	583	1,965
	868				
Add pay of temporary establishments ..	513	Deduct as per Accountant-General's audited figures.	..	39	..
	1,381		43	544	1,965
Add as per Accountant-General's audited figures.	40	Add A-VII (c) ..	..	..	290
Total ..	1,421	Total ..	..	..	2,255
(a) Head-quarters houses	147	(a) Cart-roads	5	144	..
(d) Others	3	(b) Bridle-paths	2	17	..
			7	161	311
		Add A-VII (c) ..	..	..	42
Total ..	150	Total ..	..	..	353

Communications

District.	New work undertaken during the year.					
	Buildings.		Roads and paths.			Total expenditure on new work.
	Description of building.	Expenditure incurred.	Road or path and object of the same.	Length of road or path.	Expenditure incurred.	
1	2	3	4	5	6	7
		RS.		MLS.	RS.	RS.
Northern						
Anantapur ..	(*b*) Rest-houses	172	(*a*) Cart-roads	10	282	454
	Total, Anantapur ..	172	Total ..	10	282	454
Total, Northern Circle.	(*a*) Head-quarter houses ..	1,232	(*a*) Cart-roads	58	5,943	10,372
	(*b*) Rest-houses	1,687	(*b*) Bridle-paths	7	567	
	(*c*) Houses for subordinate establishments	213				
	(*d*) Others	730				
	Total, Northern Circle ..	3,862	Total ..	65	6,510	10,372
Central						
Direction ..	....	..	....	..	..	..
Cuddapah ..	(*c*) Houses for subordinate establishments	3	....	..	..	228
	(*d*) Others	225	....	..	..	..
	Total, Cuddapah ..	228	Total ..	..	..	228
Nellore ..	(*b*) Rest-houses	20	....	..	..	96
	(*d*) Others	76	....	..	..	..
	Total, Nellore ..	96	Total ..	..	..	96
Chingleput ..	(*b*) Rest-houses	600	....	..	..	700
	(*c*) Houses for subordinate establishments	100				
	Total, Chingleput ..	700	Total ..	..	..	700
North Arcot ..	(*a*) Head-quarter houses ..	2,432	(*a*) Cart-roads	12	4,739	10,047
	(*b*) Rest-houses	2,284				
	(*c*) Houses for subordinate establishments	162				
	(*d*) Others	430				
	Total, North Arcot ..	5,308	Total ..	12	4,739	10,047

and Buildings—*cont.*

Repairs executed during the year.					
Buildings.		Roads and paths.			Total expended on repairs.
Nature of repairs.	Expenditure incurred.	Nature of repairs.	Length repaired.	Expenditure incurred.	
8	9	10	11	12	13
Circle—cont.					
	RS.		MLS.	RS.	RS.
(*a*) Head-quarter houses	147	(*a*) Cart-roads	2	28	1,013
(*b*) Rest-houses	170	(*b*) Bridle-paths	3	70	
	317				
Add pay of temporary establishments and contingencies	598		5	98	1,013
		Add A-VII (*c*)	..	..	241
Total ..	915	Total ..	..	.	1,254
(*a*) Head-quarter houses	2,579	(*a*) Cart-roads	63	1,761	8,762
(*b*) Rest-houses	1,150	(*b*) Bridle-paths	22	† 218	
(*c*) Houses for subordinate establishments	46				
(*d*) Others	* 408				
	4,183		85	1,979	8,762
Add pay of temporary establishments ..	2,600	Add A-VII (*c*) ..	..	..	3,281
Total ..	6,783	Total ..	..	..	12,043
Circle.					
(*a*) Head-quarter houses	12	....	..	..	12
Total ..	12	Total ..	..	..	12
(*a*) Head-quarter houses	781	(*a*) Cart-roads	..	5	1,294
(*c*) Houses for subordinate establishments	28	Add A-VII (*c*) ..	..	..	74
(*d*) Others	228				
	1,032				
Add pay of temporary establishments	257				
Total ..	1,289	Total ..	..	..	1,368
(*a*) Head-quarter houses	225	....	..	..	389
(*d*) Others	50	Add A-VII (*c*) ..	..	..	796
	275				
Add pay of temporary establishments.	114				
Total ..	389	Total ..	..	..	1,185
(*b*) Rest-houses	* 69	....	..	..	122
(*d*) Others	11	Add A-VII (*c*) ..	..	..	41
	80				
Add pay of temporary establishment.	47				
	127				
Deduct cash recovery ..	5				
Total ..	122	Total ..	..	..	163
(*a*) Head-quarter houses	950	(*a*) Cart-roads	346	6,183	9,626
(*b*) Rest-houses	1,128			+(*a*) 33	
(*c*) Houses for subordinate establishments	40 —3(*a*)	Add A-VII (*c*) ..	..	..	458
(*d*) Others	234				
	2,349				
Add pay of temporary establishments.	1,061				
Total ..	3,410	Total ..	..	..	10,084

* Includes Rs. 40 added as per Accountant-General's audited figures.
† Excludes Rs. 39 deducted as per Accountant-General's audited figures.
(*a*) Added or deducted as per Accountant-General's audited figures.

Communications

District.	New work undertaken during the year.					
	Buildings.		Roads and paths.			Total expenditure on new work.
	Description of building.	Expenditure incurred.	Road or path and object of the same.	Length of road or path.	Expenditure incurred.	
1	2	3	4	5	6	7
						Central
		RS.		MLS.	RS.	RS.
South Arcot ..	....	..	....	..	..	..
	Total, South Arcot ..	..	Total ..	..	..	..
Salem ..	(*d*) Others	341	(*a*) Cart-roads	..	1,080	1,421
	Total, Salem ..	341	Total ..	..	1,080	1,421
Trichinopoly ..	(*d*) Others	267	....	..	..	267
	Total, Trichinopoly ..	267	Total ..	..	..	267
Tanjore ..	....	..	....	..	..	..
	Total, Tanjore ..	..	Total ..	..	..	..
Total, Central Circle.	(*a*) Head-quarter houses ..	2,432	(*a*) Cart-roads	12	5,819	12,759
	(*b*) Rest-houses	2,904				
	(*c*) Houses for subordinate establishments	265				
	(*d*) Others	1,339				
	Total, Central Circle ..	6,940	Total ..	12	5,819	12,759
						Southern
South Canara.	(*a*) Head-quarter houses ..	1,002		..	..	1,674
	(*c*) Houses for subordinate establishments	672		..	..	..
	Total, South Canara ..	1,674	Total ..	..	..	1,674
North Malabar.	(*c*) Houses for subordinate establishments	844		..	..	1,406
	(*d*) Others	562		..	..	..
	Total, North Malabar ..	1,406	Total ..	..	..	1,406
South Malabar.	(*a*) Head-quarter houses ..	3,503	(*b*) Bridle-path	8	532	4,071
	(*b*) Rest-houses	36				
	Total, South Malabar ..	3,539	Total ..	8	532	4,071
The Nilgiris ..	(*a*) Head-quarter houses ..	42	(*a*) Cart-roads	..	42	169
	(*b*) Rest-houses	50				
	(*c*) Houses for subordinate establishment	35				
	Total, The Nilgiris ..	127	Total ..	..	42	169

and Buildings—*cont.*

Repairs executed during the year.					
Buildings.		Roads and paths.			Total expended on repairs.
Nature of repairs.	Expenditure incurred.	Nature of repairs.	Length repaired.	Expenditure incurred.	
8	9	10	11	12	13
Circle—cont.					
	Rs.		Mls.	Rs.	Rs.
(*a*) Head-quarter houses	214	(*c*) Others	..	168	677
(*b*) Rest-houses	23				
	237				
Add pay of temporary establishment ..	312	Add A-VII (*c*) ..	..	..	329
	549				
Deduct Rs. 40 as per Accountant-General's audited figures	40				
Total ..	509	Total ..	..	..	1,006
(*a*) Head-quarter houses	239	(*a*) Cart-roads	..	1,293	2,547
(*b*) Rest-houses	1,015	Add A-VII (*c*) ..	..	..	1,126
Total ..	1,254	Total ..	..	..	3,673
(*b*) Rest-houses	8	....	..	..	8
Total ..	8	Total ..	..	..	8
(*b*) Rest-houses	25		..	..	25
Total ..	25	Total ..	..	..	25
(*a*) Head-quarter houses	2,381	(*a*) Cart-roads	346	7,514	..
(*b*) Rest-houses	2,268	(*c*) Others	..	168	..
(*c*) Houses for subordinate establishments	60				
(*d*) Others	518				
	5,227		..	7,682	14,700
Add pay of temporary establishment.	1,791	Add A-VII (*c*) ..	..	..	2,824
Total ..	7,018	Total ..	..	..	17,524
Circle.					
(*a*) Head-quarter houses	81	(*a*) Cart-roads	9	46	311
(*b*) Rest-houses	53				
(*d*) Others	70				
	204				
Add pay of temporary establishment.	61	Add VII (*c*) ..	..	..	30
Total ..	265	Total ..	..	..	341
(*b*) Rest-houses	1,102	(*a*) Cart-roads	..	1,891	2,980
Deduct Rs. 13 as per Accountant-General's audited figures	13	Add Rs. 11 as per Accountant-General's figures	..	11	11
			..	..	2,991
		Add A-VII (*c*) ..	..	..	204
Total ..	1,089	Total ..	..	1,902	3,195
(*a*) Head-quarter houses	358	(*a*) Cart-roads	15	624	..
(*b*) Rest-houses	48	(*b*) Bridle-paths	40	109	..
(*c*) Houses for subordinate establishments	247	Add Rs. 15 as per Accountant-General's audit figures	55 ..	733 15	.. ..
			..	748	1,401
		Add A-VII (*c*) ..	..	..	160
Total ..	653	Total ..	..	..	1,561
(*d*) Others	949	(*c*) Others	74	1,370	2,319
		Add A-VII (*c*) ..	..	..	89
Total ..	949	Total ..	..	..	2,408

District.	New work undertaken during the year.					
	Buildings.		Roads and paths.			Total expenditure on new work.
	Description of building.	Expenditure incurred.	Road or path and object of the same.	Length of road or path.	Expenditure incurred.	
1	2	3	4	5	6	7
						Southern
		Rs.		MLS.	Rs.	Rs.
North Coimbatore.	(*b*) Rest-houses	478	(*a*) Cart roads	42	13,292	17,171
	(*d*) Others	1,077	(*b*) Bridle-paths	15	2,332	
		1,555				
	Deduct cash recovery ..	8				
	Total, North Coimbatore ..	1,547	Total ..	57	15,624	17,171
South Coimbatore.	(*a*) Head-quarter houses ..	193	(*c*) Others	..	513	4,990
	(*b*) Houses for subordinate establishment	293				
	(*d*) Others	3,991				
	Total, South Coimbatore ..	4,477	Total ..	..	513	4,990
Madura ..	(*a*) Head-quarter houses ..	50	(*a*) Cart roads	4	5	..
	(*b*) Rest-houses	1,692	(*b*) Bridle-paths	..	5	..
				4	10 (*a*)113	1,865
	Total, Madura ..	1,742	Total ..	4	123	1,865
Tinnevelly ..	(*c*) Houses for subordinate establishments	1,194	(*a*) Cart roads	6	312	250,6
	Total, Tinnevelly ..	1,194	Total ..	6	1,312	2,506
Total, Southern Circle.	(*a*) Head-quarter houses ..	4,790	(*a*) Cart roads	52	14,651	33,852
	(*b*) Rest-houses	2,549	(*b*) Bridle-paths	23	2,982	
	(*c*) Houses for subordinate establishments	2,745	(*c*) Others	..	513	
	(*d*) Others	5,622				
	Total, Southern Circle ..	15,706	Total ..	75	18,146	33,852
Grand Total, Presidency.	(*a*) Head-quarter houses ..	8,454	(*a*) Cart roads	122	26,413	
	(*b*) Rest-houses	7,140	(*b*) Bridle-paths	30	3,549	
	(*c*) Houses for subordinate establishments	3,223	(*c*) Others	..	513	
	(*d*) Others	7,691				
	Total, Presidency ..	26,508	Total ..	152	30,475	56,983

(*a*) Pay of road watches.

and Buildings—*cont.*

Repairs executed during the year.					
Buildings.		Roads and paths.			Total expended on repairs.
Nature of repairs.	Expenditure incurred.	Nature of repairs.	Length repaired.	Expenditure incurred.	
8	9	10	11	12	13
Circle—cont.					
	Rs.		Mls.	Rs.	Rs.
(*a*) Head-quarter houses	640	(*a*) Cart roads	78	4,210	..
(*b*) Rest-houses	1,052	(*b*) Bridle-paths	6	600	..
(*d*) Others	448				
	2,140		84	4,810	7,397
Add pay of watchers ..	450	Add A-VII (*c*) ..	..	..	343
	2,590				
Deduct cash recovery ..	3				
Total ..	2,587	Total ..	..	..	7,740
(*a*) Head-quarter houses	242	(*a*) Cart roads	27	1,889	..
(*b*) Rest-houses	204	(*b*) Bridle-paths	2	95	..
(*d*) Others	650				
			29	1,984	3,080
		Add A-VII (*c*) ..	..	..	3,725
Total ..	1,096	Total ..	..	..	6,805
(*a*) Head-quarter houses	244				
(*b*) Rest-houses	199		..	..	851
(*c*) Houses for subordinate establishments	40	Add A-VII (*c*) ..	..	..	325
(*d*) Others	9				
	492				
Add pay of temporary establishments	359				
Total ..	851	Total ..	..	..	1,176
(*a*) Head-quarter houses ..	3	(*a*) Cart roads	61	1,820	..
(*b*) Rest-houses	779	(*b*) Bridle-paths	24	777	..
(*c*) Houses for subordinate establishments	213	(*c*) Others	..	417	..
	995		85	3,014	4,052
Add Rs. (135—92) 43, being the net cost of dismanling a bungalow.	43	Add A-VII (*c*) ..	..	..	10
Total ..	1,038	Total ..	..	..	4,062
(*a*) Head-quarter houses	1,568	(*a*) Cart roads	190	10,506	22,402
(*b*) Rest-houses	3,464	(*b*) Bridle-paths	72	1,581	..
(*c*) Houses for subordinate establishments	1,150	(*c*) Others	..	1,787	..
(*d*) Others	1,476				
	7,658		262	13,874	22,402
Add pay of temporary establishments.	870	Add A-VII (*c*) ..	..	..	4,886
Total ..	8,528	Total ..	..	..	27,288
(*a*) Head-quarter houses	6,528	(*a*) Cart roads	599	19,781	..
(*b*) Rest-houses	6,882	(*b*) Bridle-paths	94	1,799	..
(*c*) Houses for subordinate establishments	1,256	(*c*) Others	..	1,955	..
(*d*) Others	2,402				
	17,068		693	23,535	45,864
Add pay of temporary establishments.	5,261	Add A-VII (*c*) ..	..	..	10,991
Total ..	22,329	Total ..	..	..	56,855

ANNUAL FORM No. 65.

Tramway Statement.

STATEMENT showing the results of transport of wood by tramway.

I.—*Nellore District.*

(i) Sríharikóta Range.

Capital Account.

——	1900–1901.	1901–1902.	——	1900–1901.	1901–1902.
Dr.	RS.	RS.	*Cr.*	RS.	RS.
To balance from the previous year.	16,783	15,776	By depreciation at 6 per cent.	1,007	947
Add stock	..	..	,, balance of stock	15,776	14,829
Total ..	16,783	15,776	Total ..	16,783	15,776

Revenue Account.

——	1900–1901.	1901–1902.	——	1900–1901.	1901–1902.
Dr.	RS.	RS.	*Cr.*	RS.	RS.
To working expenses	750	928	By balance written off ..	2,608	3,123
,, road-making and repairs ..	73	412			
,, interest at 4 per cent. ..	671	631			
,, depreciation at 6 per cent. ..	1,007	947			
,, repairs of wagons	107	205			
Total ..	2,608	3,123	Total ..	2,608	3,123

——	1900–1901.					1901–1902.				
	Number of tons of wood carried.	Number of miles carried.	Total ton-miles.	Actual charge for carrying.	Rate per ton-mile.	Number of tons of wood carried.	Number of miles carried.	Total ton-miles.	Actual charge for carrying.	Rate per ton-mile.
				RS.	RS. A. P.				RS.	RS. A. P.
Work done	3,450⅜	2½	8,626	2,608	0 4 10	9,460½	2½	23,650½	3,123	0 2 1

——	1900–1901.			1901–1902.		
	Number of ton-miles.	Amount.	Rate per ton-mile.	Number of ton-miles.	Amount.	Rate per ton-mile.
		RS.	RS. A. P.		RS.	RS. A. P.
Actual charge of carrying	8,626	2,609	0 4 4	23,650½	3,123	0 2 1
Estimated cost of carting		12,634	1 5 0		31,041	1 5 0

ABSTRACT.

Year.	Profit.	Loss.
	RS.	RS.
1889–90	..	
1890–91	8,487	
1891–92	3,743	
1892–93	13,807	
1893–94	13,063	
1894–95	15,153	
1895–96	9,100	1,444
1896–97	23,921	
1897–98	25,450	
1898–99	30,398	
1899–1900	23,176	
1900–1901	8,713	
1901–1902	27,918	
Total ..	2,02,929	
Deduct loss ..	1,444	
Net profit ..	2,01,485	

Statement showing the results of transport of wood by tramway—*cont.*

(ii) Casuarina Plantation Range.

Capital Account.

—	1900-1901.	1901-1902.	—	1900-1901.	1901-1902
Dr.	RS.	RS.	*Cr.*	RS.	RS.
To balance from the previous year ..	16,476	15,487	By depreciation at 6 per cent. ..	989	929
Add new stock	..	..	,, balance of stock	15,487	14,558
Total ..	16,476	15,487	Total ..	16,476	15,487

Revenue Account.

—	1900-1901.	1901-1902.	—	1900-1901.	1901-1902.
Dr.	RS.	RS.	*Cr.*	RS.	RS.
To working expenses	1,556	943	By balance written off	3,648	3,274
,, road repairs	239	372			
,, interest at 4 per cent.	659	620			
,, depreciation at 6 per cent. ..	988	929			
,, repairs to waggons	206	410			
Total ..	3,648	3,274	Total ..	3,648	3,274

—	1900-1901.					1901-1902.				
	Number of tons of wood carried.	Number of miles carried.	Total ton-miles.	Actual charge for carrying.	Rate per ton-mile.	Number of tons of wood carried.	Number of miles carried.	Total ton-miles.	Actual charge for carrying.	Rate per ton-mile.
				RS.	RS. A. P.				RS.	RS. A. P.
Work done	10,433¾	7½	21,881¼	3,648	0 2 8	5,522⅞	8½	13,561	3,274	0 3 10

—	1900-1901.			1901-1902.		
	Number of ton-miles.	Amount.	Rate per ton-mile.	Number of ton-miles.	Amount.	Rate per ton-mile.
		RS.	RS. A. P.		RS.	RS. A. P.
Actual charge for carrying	21,881¼	3,648	0 2 8	13,561	3,274	0 3 10
Estimated cost of carting		26,201	0 1 5		17,799	1 5 0

ABSTRACT.

Year.	Profit.	Loss.
	RS.	RS.
1885-86	1,735	
1886-87	5,030	
1887-88	..	
1888-89	6,272	
1889-90	545	
1890-91	7,323	
1891-92	4,646	
1892-93	5,290	
1893-94	5,351	
1894-95	5,261	536
1895-96	4,826	
1896-97	3,981	
1897-98	7,000	
1898-99	3,224	
1899-1900	13,275	
1900-1901	22,553	
1901-1902	14,525	
Total ..	110,837	
Deduct loss ..	536	
Net profit ..	110,301	

Statement showing the results of wood by tramway—*cont.*

II.—*South Coimbatore District.*

Capital Account.

—	1900–1901.	1901–1902.	—	1900–1901.	1901–1902.
Dr.	Rs.	Rs.	*Cr.*	Rs.	Rs.
To balance from the previous year ..	38,658	37,302	By depreciation at 6 per cent. ..	2,381	2,241
,, repairs to tram-trucks	281	48	,, balance of stock	37,302	3,509
,, extension of tram-line beyond Sangam	744	..			
Total ..	39,683	37,350	Total ..	39,683	37,350

Revenue Account.

—	1900–1901.	1901–1902.	—	1900–1901.	1901–1902.
Dr.	Rs.	Rs.	*Cr.*	Rs.	Rs.
To working expenses	3,014	2,872	By balance written off	7,989	7,772
,, depreciation at 6 per cent. ..	2,381	2,241			
,, interest at 4 per cent.	1,587	1,494			
,, repairs to tram-road and deviation of tram line	202	258			
	805	907			
Total ..	7,989	7,772	Total ..	7,989	7,772

—	1900–1901.					1901–1902.				
	Number of tons of wood carried.	Number of miles carried.	Total ton-miles.	Actual charge for carrying.	Rate per ton-mile.	Number of tons of wood carried.	Number of miles carried.	Total ton-miles.	Actual charge for carrying.	Rate per ton-mile.
				Rs.	Rs. A. P.				Rs.	Rs. A. P.
Work done ..	$278\frac{14}{20}$ tons (11,134 c. ft.).	4	1,113	7,989	1 11 11	$35\frac{1}{3}$ tons (1,420 c ft.).	4	142	7,772	1 13 5
	$511\frac{22}{20}$ tons (20,469 c. ft.).	$5\frac{1}{2}$	2,814			$223\frac{1}{3}$ tons (8,940 c. ft.).	$5\frac{1}{2}$	1,229		
	$13\frac{12}{20}$ tons (552 c. ft.).	$5\frac{1}{4}$	72			$198\frac{14}{20}$ tons (7,934 c. ft.).	3	595		
	$191\frac{37}{20}$ tons. (7,677 c. ft.).	3	576			$556\frac{36}{20}$ tons (22,276 c. ft.).	3	1,671		
						$199\frac{16}{20}$ tons (7,976 c. ft.).	3	598		
			4,575					4,235		

—	1900–1901.			1901–1902.		
	Number of ton-miles.	Amount.	Rate per ton-mile.	Number of ton-miles.	Amount.	Rate per ton-mile.
		Rs.	Rs. A. P.		Rs.	Rs. A. P.
Actual charge for carrying	4,575	7,989	1 11 11	4,235	7,772	1 13 5
Estimated cost of carting	4,575	4,765	1 0 8	4,235	4,411	1 0
Actual cost of maintaining cart-road before the construction of tramway (now sanctioned)	..	1,200		..	1,200	
Cost of extension of road beyond Sangam	..	310		..	310	
Total estimated cost of carting ..	..	6,275	..	..	5,921	..
Loss ..	..	1,714	..	..	1,851	..

ABSTRACT OF LOSS.

Year.	Loss. Rs.	Year.	Loss. Rs.	Year.	Loss. Rs.
1889–90	4,155	1894–95	1,743	1899–1900	630
1890–91	3,049	1895–96	1,236	1900–1901	1,714
1891–92	4,711	1896–97	778	1901–1902	1,851
1892–93	4,718	1897–98	64		
1893–94	2,392	1898–99	2,609	Total ..	29,650

Annual Form No. 50.

Forest Department, Madras Presidency.

Register of Breaches of Forest Rules during 1901-1902.

District.		Cases pending from 1900-1901.	New cases of the year.					Total cases.	Disposed of during the year.						Cases pending at close of year.
			Injury to forest by fire.	Unauthorized felling or appropriation of wood and minor forest produce.	Grazing without permission or in tracts in which grazing is prohibited.	Other offences.	Total new cases of the year.		Convictions.		Acquittals.		Total.		
									Cases.	Persons.	Cases.	Persons.	Cases.	Persons.	
1		2	3	4	5	6	7	8	9	10	11	12	13	14	15
Northern Circle.															
Ganjám	A	23	6	196	41	17	260	283	148	376	36	133	184 * 56	509 * 153	43
	B	7	2	133	28	9	172	179	130	331	..	..	130	331	49
	C	..	..	44	..	..	44	..	..	..	..	..	..	..	..
	Total ..	30	8	373	69	26	476	462	278	707	36	133	314 * 56	840 * 153	92
Vizagapatam ..	A	32	2	216	47	22	287	319	287	686	5	13	292	699	27
	B	29	1	302	127	31	461	490	414	885	..	..	414	885	76
	C	..	..	3	..	..	3	..	..	..	..	..	..	..	..
	Total ..	61	3	521	174	53	751	809	701	1,571	5	13	706	1,584	103
Gódávari (*b*) ..	A	31 (*a*) 2	5	81	37	6	129	160 (*a*) 2	112	296	14 (*a*) 2	61 (*a*) 12	126 * 2 (*a*) 2	357 * 17 (*a*) 12	32
	B	22	3	231	75	33 (*a*) 1	342 (*a*) 1	364 (*a*) 1	206	499	..	..	206 * 102 (*a*) * 1	499 * 293 (*a*) * 1	56
	C	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Total ..	53 (*a*) 2	8	312	112	39 (*a*) 1	471 (*a*) 1	524 (*a*) 3	318	795	14 (*a*) 2	61 (*a*) 12	332 * 104 (*a*) 2 (*a*) * 1	856 * 310 (*a*) 12 (*a*) * 1	88
Kistna-	A	31	..	72	112	7	191	222	158	608	17	49	175	657	47
	B	78	..	696	971	60	1,727	1,805	1,495	5,617	..	..	1,495 * 133	5,617 * 517	177
	C	..	11	8	..	1	20	..	..	..	..	..	..	..	..
	Total ..	109	11	776	1,083	68	1,938	2,027	1,653	6,225	17	49	1,670 * 133	6,274 * 517	224

A. Cases taken into Court. B. Cases compounded. C. Cases undetected. * Withdrawn under the orders of the District Forest-officer.

(*a*) Drift wood cases.

(*b*) The variations in the figures between the closing balance of the previous year and the opening balance of the year under report has not been explained by Collector. The sum total, however, remains the same.

Register of Breaches of Forest Rules during 1901–1902—*cont.*

District.		Cases pending from 1900–1901.	New cases of the year.					Total cases.	Disposed of during the year.						Cases pending at close of year.
			Injury to forest by fire.	Unauthorized felling or appropriation of wood and minor forest produce.	Grazing without permission or in tracts in which grazing is prohibited.	Other offences.	Total new cases of the year.		Convictions.		Acquittals.		Total.		
									Cases.	Persons.	Cases.	Persons.	Cases.	Persons.	
1		2	3	4	5	6	7	8	9	10	11	12	13	14	15
						Northern Circle—cont.									
Kurnool ..	A	(*b*) 128	1	386	167	63	617	745	550	1,462	46	166	596 * 53	1,628 * 119	96
	B	(*b*) 38	..	193	156	60	409	447	371	986	..	..	371 * 6	986 * 12	70
	C	..	..	28	2	..	30	..	..	..	..	..	..	..	..
	Total ..	166	1	607	325	123	1,056	1,192	921	2,448	46	166	967 * 59	2,614 * 131	166
Bellary ..	A	15	..	314	194	26	534	549	358	1,279	9	31	367 * 21	1,310 * 55	161
	B	43	2	353	362	58	775	818	621	2,107	..	..	621 * 132	2,107 * 469	65
	C	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Total ..	58	2	667	556	84	1,309	1,367	979	3,386	9	31	988 * 153	3,417 * 524	226
Anantapur ..	A	(*c*) 25	1	56	52	3	112	137	80	189	15	63	95 * 3	252 * 4	39
	B	(*c*) 89	1	152	134	1	288	377	254	840	..	..	254 * 78	840 * 199	45
	C	..	8	..	..	..	8	..	..	..	..	..	..	..	..
	Total ..	114	10	208	186	4	408	514	334	1,029	15	63	349 * 81	1,092 * 203	84
Total, Northern Circle.	A ..	285 (*a*) 2	15	1,321	650	144	2,130	2,415 (*a*) 2	1,093	4,896	142 (*a*) 2	516 (*a*) 12	1,835 * 135 (*a*) 2	5,412 * 348 (*a*) 12	445
	B	306	9	2,060	1,853	252 (*a*) 1	4,174 (*a*) 1	4,480 (*a*) 1	3,491	11,265	..	..	3,491 * 451	11,265 * 1,490	538
	C	..	19	83	2	1	105	..	..	..	..	..	(*a*) * 1	(*a*) * 1	
Grand Total, Northern Circle		591 (*a*) 2	43	3,464	2,505	397 (*a*) 1	6,409 (*a*) 1	6,895 (*a*) 3	5,184	16,161	142 (*a*) 2	516 (*a*) 12	5,326 * 586 (*a*) 2 (*a*) * 1	16,677 * 1,838 (*a*) 12 (*a*) * 1	983

A. Cases taken into Court. B. Cases compounded. C. Cases undetected. * Withdrawn under the orders of the District Forest-officer. (*a*) Driftwood cases.

(*b*) The closing balance under items A and B in column 15 of the previous year's return was 110 and 56, respectively. Of these, 18 cases under B, were transferred to A, the accused having paid compounding fees. (*c*) The closing balance under items A and B in column 15 of the previous year's return was 4 and 110, respectively. Of these, 21 cases were transferred from B to A.

Register of Breaches of Forest Rules during 1901-1902—*cont.*

District.		Cases pending from 1900-1901.	New cases of the year.					Total cases.	Disposed of during the year.						Cases pending at close of year.
			Injury to forest by fire.	Unauthorized felling or appropriation of wood and minor forest produce.	Grazing without permission or in tracts in which grazing is prohibited.	Other offences.	Total new cases of the year.		Convictions.		Acquittals.		Total.		
									Cases.	Persons.	Cases.	Persons.	Cases.	Persons.	
1		2	3	4	5	6	7	8	9	10	11	12	13	14	15
Central Circle.															
Cuddapah	A	(*a*) 125	7	220	469	25	721	846	690	1,564	69	381	759 / * 4	1,945 / * 9	83
	B	(*a*) 140	1	518	414	101	1,034	1,174	850	1,941	..	..	850 / * 158	1,941 / * 448	166
	C	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Total	265	8	738	883	126	1,755	2,020	1,540	3,505	69	381	1,609 / * 162	3,886 / * 457	249
Nellore	A	(*b*) 87	..	215	454	16	685	772	592	1,279	32	131	624 / * 23	1,410 / * 33	125
	B	(*b*) 27	..	236	279	13	528	555	504	1,132	..	..	504 / * 4	1,132 / * 5	47
	C	..	..	25	49	11	85	..	..	..	..	..	..	..	..
	Total	114	..	476	782	40	1,298	1,327	1,096	2,411	32	131	1,128 / * 27	2,542 / * 38	172
Chingleput	A	(*c*) 40	..	100	15	6	121	161	129	266	9	19	138	285	23
	B	(*c*) 145	..	486	222	15	723	868	610	1,098	..	..	610 / * 29	1,098 / * 56	229
	C	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Total	185	..	586	237	21	844	1,029	739	1,364	9	19	748 / * 29	1,383 / * 56	252
North Arcot	A	(*d*) 327	..	390	463	71	924	1,251	870	2,858	78	220	948 / * 34	3,078 / * 97	269
	B	(*d*) 282	..	792	1,237	156	2,185	2,467	1,855	3,854	..	..	1,855 / * 137	3,854 / * 344	475
	C	..	89	1	..	..	90	..	..	..	..	..	..	..	..
	Total	609	89	1,183	1,700	227	3,199	3,718	2,725	6,712	78	220	2,803 / * 171	6,932 / * 441	744

A. Cases taken into Court. B. Cases compounded. C. Cases undetected. * Withdrawn under the District Forest-officer's orders.

(*a*) The closing balances under items A and B in column 15 of the previous year's return were 100 and 165, respectively, but 25 cases were since transferred from B to A.

(*b*) The variations in the figures between the previous year's closing balance and the opening balance of the year under report have not been explained.

(*c*) The closing balance under items A and B in column 15 of the previous year's return was 18 and 167, respectively, but 22 cases under B were since transferred to A.

(*d*) The closing balance under items A and B in column 15 of the previous year's return was 274 and 328, respectively; of these, 53 cases under B were transferred to A during the year under report. Besides, 7 cases under B which were omitted to be shown in the previous year's return have now been included thus making the opening balance as (328 — 53 + 7) or 282 cases.

Register of Breaches of Forest Rules during 1901–1902—*cont.*

District.		Cases pending from 1900–1901.	New cases of the year.					Total cases.	Disposed of during the year.						Cases pending at close of year.
			Injury to forest by fire.	Unauthorized felling or appropriation of wood and minor forest produce.	Grazing without permission or in tracts in which grazing is prohibited.	Other offences.	Total new cases of the year.		Convictions.		Acquittals.		Total.		
									Cases.	Persons.	Cases.	Persons.	Cases.	Persons.	
1		2	3	4	5	6	7	8	9	10	11	12	13	14	15
								Central Circle—cont.							
South Arcot ..	A	(*a*) 341	..	513	205	15	733	1,074	803	2,082	62	253	865 * 22	2,335 * 44	187
	B	(*a*) 253	..	883	1,014	101	1,998	2,251	1,812	3,616	..	..	1,812	3,616	439
	C	..	8	245	104	16	(*c*) 373	..	..	..	..	..	..	..	..
	Total ..	594	8	1,641	1,323	132	3,104	3,325	2,615	5,698	62	253	2,677 * 22	5,951 * 44	626
Salem	A	301	2	588	251	33	874	1,175	715	2,296	151	600	866 * 70	2,896 * 272	239
	B	294	..	1,328	848	32	2,208	2,502	2,200	4,965	..	..	2,200 * 70	4,965 * 204	232
	C	..	..	23	26	1	50	..	..	..	..	..	..	..	..
	Total ..	(*b*) 595	2	1,939	1,125	66	3,132	3,677	2,915	7,261	151	600	3,066 * 140	7,861 * 476	471
Trichinopoly ..	A	(*d*) 37	4	52	29	9	94	131	76	197	30	107	106	304	25
	B	(*d*) 173	..	675	476	17	1,168	1,341	1,189	3,027	..	..	* 1,189 * 24	3,027 * 71	128
	C	..	..	1	6	1	8	..	..	..	..	..	..	..	..
	Total ..	210	4	728	511	27	1,270	1,472	1,265	3,224	30	107	1,295 * 24	3,331 * 71	153
Tanjore	A	(*e*) 13	..	37	21	2	60	73	53	134	12	37	65	180	8
	B	(*e*) 31	..	18	46	2	66	97	81	205	..	..	81	205	16
	C	..	..	2	9	..	11	..	..	..	..	..	..	..	..
	Total ..	44	..	57	76	4	137	170	134	339	12	37	146	385	24

A. Cases taken into Court. B. Cases compounded. C. Cases undetected. * Withdrawn under the District Forest-officer's orders.

(*a*) The closing balance under items A and B in column 15 of the previous year's return was 260 and 318, respectively. 16 undetected cases were transferred to B and 81 under B to A.

(*b*) The variation in the figures between the previous year's closing balance and the opening balance of the year under report is due to the fact that 44 cases which were not reported at the time of the preparation of the last year's return have now been brought to account.

(*c*) The total number of new undetected cases during the year is 373. Including the cases pending undetected, viz., 33 cases, the number of cases under class *C* is 406. Of these 312 cases were struck off the file for one reason or other, leaving a balance of 94 at the end of the year for disposal.

(*d*) The closing balance under items A and B in column 15 of the previous year's return was 18 and 192, respectively. Of these 19 cases under B were transferred to A during the year under report.

(*e*) The closing balance under items A and B in column 15 of the previous year's return was 7 and 37, respectively. Of these, 6 cases under B were transferred to A during the year under report.

Register of Breaches of Forest Rules during 1901–1902—*cont.*

District.	Cases pending from 1900-1901.	New cases of the year.					Total cases.	Disposed of during the year.						Cases pending at close of year.
		Injury to forest by fire.	Unauthorized felling or appropriation of wood and minor forest produce.	Grazing without permission or in tracts in which grazing is prohibited.	Other offences.	Total new cases of the year.		Convictions.		Acquittals.		Total.		
								Cases.	Persons.	Cases.	Persons.	Cases.	Persons.	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Central Circle—cont.														
Total, Central Circle — Central A	1,271	13	2,115	1,907	177	4,212	5,483	3,928	10,676	443	1,748	4,371 * 153	12,433 * 455	959
Central B	1,345	1	4,936	4,536	437	9,910	11,255	9,101	19,838	..	..	9,101 * 422	19,838 * 1,128	1,732
Central C	..	97	297	194	29	617	..	..	..	..	..	..	..	..
Grand Total, Central Circle ..	2,616	111	7,348	6,637	643	14,739	16,738	13,029	30,514	443	1,748	13,472 * 575	32,271 * 1,583	2,691
Southern Circle.														
South Canara .. A	(*a*) 35	6	141	36	40	223	258	116	214	34	88	150 * 71	302 * 183	37
South Canara .. B	(*a*) 39	2	243	46	14	305	344	294	534	..	..	294	534	50
South Canara .. C	..	8	2	..	..	10	..	..	..	..	..	..	..	..
Total ..	74	16	386	82	54	538	602	410	748	34	88	444 * 71	836 * 183	87
North Malabar .. A	(*b*) 4	..	5	..	2	7	11	6	26	1	3	7 * 2	29 * 2	2
North Malabar .. B	..	..	6	9	..	15	15	13	24	..	..	13 * 2	24 * not stated	..
North Malabar .. C	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total ..	4	..	11	9	2	22	26	19	50	1	3	20 * 4	53 * 2	2
South Malabar .. A	1	..	3	..	..	3	4	4	15	..	..	4	15	..
South Malabar .. B	1	..	26	2	2	30	31	30	39	..	..	30	39	1
South Malabar .. C	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total ..	2	..	29	2	2	33	35	34	54	..	..	34	54	1
The Nilgiris .. A	59	6	34	42	26	108	167	123	322	19	57	142	379	25
The Nilgiris .. B	23	3	101	24	11	139	162	145	589	..	..	145	589	17
The Nilgiris .. C	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total ..	82	9	135	66	37	247	329	268	911	19	57	287	968	42

A. Cases taken into Court. B. Cases compounded. C. Cases undetected.

* Withdrawn under the orders of the District Forest-officer.

(*a*) The closing balance under items A and B in column 15 of the previous year's return was 24 and 50 respectively. Of these, 11 cases under B were transferred to A during the year.

(*b*) The closing balance under items A and 13 in column 15 of the previous year's return was 3 and 1 respectively. The transfer of the one case under B to A has not been explained.

Register of Breaches of Forest Rules during 1901–1902—*cont.*

District.		Cases pending from 1900–1901.	New cases of the year.					Total cases.	Disposed of during the year.						Cases pending at close of year.
			Injury to forest by fire.	Unauthorized felling or appropriation of wood and minor forest produce.	Grazing without permission or in tracts in which grazing is prohibited.	Other offences.	Total new cases of the year.		Convictions.		Acquittals.		Total.		
									Cases.	Persons.	Cases.	Persons.	Cases.	Persons.	
1		2	3	4	5	6	7	8	9	10	11	12	13	14	15
						Southern Circle—cont.									
North Coimbatore.	A	(*a*) 33	1	56	36	3	96	129	88	261	19	100	107 / * 4	361 / * 5	18
	B	(*a*) 9	..	94	51	2	147	156	94	268	..	..	94 / * 41	278 / * 118	21
	C	..	71	..	..	..	71	..	..	..	..	..	..	..	..
	Total	42	72	150	87	5	314	285	182	529	19	100	201 / * 45	629 / * 123	39
South Coimbatore.	A	11	..	104	18	11	133	144	114	362	12	74	126	436	18
	B	27	..	110	43	17	170	197	146	324	..	..	146 / * 28	324 / * 97	23
	C	..	..	12	12	4	28	..	..	..	..	..	..	..	..
	Total	38	..	226	73	32	331	341	260	686	12	74	272 / * 28	760 / * 97	41
Madura	A	226	6	251	32	12	301	527	245	932	24	119	269 / * 77	891 / * 160	181
	B	53	..	151	136	..	287	340	301	1,053	..	..	301 / * 19	1,053	20
	C	..	..	53	21	8	82	..	..	..	..	..	..	..	..
	Total	279	6	455	189	20	670	867	546	1,985	24	119	570 / * 96	1,944 / * 160	201

A. Cases taken in to Court. B. Cases compounded. C. Cases undetected. * Withdrawn under the orders of the District Forest-officer.

(*a*) The closing balance under items A and B in column 15 of the previous year's return was 29 and 13 respectively, which are presumably revised figures. Of these, 4 cases under head B were transferred to A during the year under report.

Register of Breaches of Forest Rules during 1901–1902—*cont.*

District.		Cases pending from 1900–1901.	New cases of the year.					Total cases.	Disposed of during the year.						Cases pending at close of year.
			Injury to forest by fire.	Unauthorized felling or appropriation of wood and minor forest produce.	Grazing without permission or in tracts in which grazing is prohibited.	Other offences.	Total new cases of the year.		Convictions.		Acquittals.		Total.		
									Cases.	Persons.	Cases.	Persons.	Cases.	Persons.	
1		2	3	4	5	6	7	8	9	10	11	12	13	14	15
						Southern Circle—cont.									
Tinnevelly ..	A	9	2	34	34	4	74	83	63	145	6	18	69	163	14
	B	16	..	209	97	5	311	327	212	388	..	..	212 * 87	388 * 172	28
	C	..	..	42	17	2	61	..	..	..	..	..	..	..	..
	Total ..	25	2	285	148	11	446	410	275	533	6	18	281 * 87	551 * 172	42
Total, Southern Circle.	A	378	21	628	198	98	945	1,323	759	2,277	115	459	874 * 154	2,576 * 350	295
	B	168	5	940	408	51	1,404	1,572	1,235	3,219	..	..	1,235 * 177	3,229 * 387	160
	C	..	79	109	50	14	252	..	..	..	..	..	..	..	..
Grand Total, Southern Circle ..		546	105	1,677	656	163	2,601	2,895	1,994	5,496	115	459	2,109 * 331	5,805 * 737	455
Total, Presidency ..	A	1,934 (a) 2	49	4,064	2,755	419	7,287	9,221 (a) 2	6,380	17,849	700 (a) 2	2,723 (a) 12	7,080 * 442 (a) 2	20,421 * 1,153 (a) 12	1,699
	B	1,819	15	7,936	6,797	740 (a) 1	15,488 (a) 1	17,307 (a) 1	13,827	34,322	..	..	13,827 * 1,050 (a) * 1	34,332 * 3,005 (a) * 1	2,430
	C	37	195	489	246	44	974	..	..	..	..	..	..	..	..
Grand Total, Presidency		3,790 (a) 2	259	12,489	9,798	1,203 (a) 1	23,749 (a) 1	26,528 (a) 3	20,207	52,171	700 (a) 2	2,723 (a) 12	20,907 * 1,492 (a) 2 (a) * 1	54,753 * 4,158 (a) 12 (a) * 1	4,129

(a) The closing balances under items A and B in column 15 of the previous year's return were 24 and 50, respectively. Of these 12 cases under B were transferred to head A during the year under report.

* Withdrawn under the orders of the District Forest-officer.

A. Cases taken into court. B. Cases compounded. C. Cases undetected.

APPENDIX.

Division.	Details of prosecutions for offences by fire.					
	Serial number of fire.	Areas burnt.	Character of offence (whether careless or intentional).	Whether acquitted or convicted.	Section of law under which convicted.	Amount of punishment.
Ganjám	1	200 acres.	Careless	Convicted	Section 21 (*b*) of the Madras Forest Act.	Sentenced to suffer rigorous imprisonment for six weeks.
	2	*Nil.*	Intentional ..	Do.	Do. do.	Do. do. for twenty days.
	3	100 acres.	Careless	Do. (four accused).	Do. do.	Two were fined Rs. 15 each, in default to suffer twenty days' rigorous imprisonment; one was fined Rs. 5, in default, ten days' rigorous imprisonment; and the fourth fined Rs. 2, in default, four days' simple imprisonment.
	4	*Nil.*	Do. ..	Withdrawn ..	....	....
	5	*Nil.*	Intentional ..	Pending	....	....
	6	4 sq. yds.	Careless	Do.	....	....
	7	½ an acre.	Do. ..	Do.	....	....
	8	....	Do. ..	Do.	....	....
Vizagapatam	1	5 sq. yds.	Intentional ..	Convicted	Section 21 (*c*) of the Forest Act ..	Each accused was sentenced to pay a fine of Rs. 5.
	2	30 acres.	Careless	Compounded ..	Do. ..	Compounded for Rs. 10.
	3	4 sq. yds.	Intentional ..	Convicted	Do. ..	Sentenced to pay a fine of one rupee (each accused).
Gódávari	1	50 yds.	Careless	Do.	Section 21 of the Forest Act	One week's rigorous imprisonment.
	2	5 acres.	Do. ..	Do.	Clause (*c*) of do.	Out of five accused, three were fined and two were sentenced to one month's rigorous imprisonment each.
	3	200 ,,	Do. ..	Do.	Do. do. ..	Sentenced to one month's rigorous imprisonment.
	4	200 ,,	Do. ..	Do.	Do. do. ..	Do. do.
	5	100 ,,	Intentional ..	Do.	Section 21 of the Madras Forest Act.	Do. do.
Kurnool	1	6 ,,	Do. ..	Acquitted	....	....
Bellary	1	Not known.	Careless	Compounded ..	Section 26 of the Forest Act	Compounded for Rs. 25.
	2	Do.	Do. ..	Do. ..	Do. do.	Do. for Rs. 10.
Anantapur	1	....	Intentional ..	Convicted	Section 21 of the Forest Act	Sentenced to undergo six months' rigorous imprisonment.
	2	25 acres.	Do. ..	Withdrawn ..	....	This case was shown as pending last year.
Cuddapah	1	200 ,,	Careless	Convicted (two accused).	Section 21 of the Madras Forest Act ..	Sentenced to two months' rigorous imprisonment each.
	2	20 ,,	Do. ..	Do. do.	Do. do. ..	Sentenced to fifteen days' rigorous imprisonment each.
	(*a*) 3	50 ,,	Intentional ..	Do. do.	Do. do. ..	First accused fined Rs. 20, second Rs. 50; in default one month's rigorous imprisonment each.
	4	60 ,,	Do. ..	Do. do.	Do. do. ..	The accused were fined Rs. 5 each, in default to suffer one week's rigorous imprisonment.
	(*a*) 5	40 ,,	Do. ..	Acquitted	....	....
	6	240 ,,	Do. ..	Pending	....	....
	7	....	Do. ..	Do.	....	....
	8	640 acres.	Do. ..	* Withdrawn (three accused).	....	* For want of evidence.
	9	270 ,,	Do. ..	Pending	....	....
	10	....	Careless	Do.	....	....

(*a*) Last year's case.

Division.	Details of prosecutions for offences by fire.					
	Serial No. of fire.	Areas burnt.	Character of offence (whether careless or intentional).	Whether acquitted or convicted.	Section of law under which convicted.	Amount of punishment.
Salem	1	13 acres.	Intentional ..	Pending	Section 21 (*b*) of the Forest Act ..	....
	2	Do.	Do. ..	Withdrawn ..	Do. do.	....
Trichinopoly	1	½ acre.	Careless	Convicted (three accused).	Section 21 of the Forest Act. ..	Fined Rs. 3 each.
	2	3 acres.	Do. ..	Do. do.	Do. do.	Fined Rs. 10 of which Re. 1 was to go to Forest Department for damages caused to forests by the fire.
	3	45 sq. ft.	Do. ..	Acquitted	Section 245, Circular Procedure Code.	The offenders were minors.
	4	5 acres.	Do. ..	Do. ..	Do. do.	Do. do.
South Canara	1	15 ,,	Do. ..	Convicted	Section 21 (*b*) of the Madras Forest Act.	Fined Rs. 20 .. .. ..
	2	2 ,,	Do. ..	Compounded ..	Do. do.	Compounded for Rs. 2 ..
	3	30 ,,	Do. ..	Do.	Do. do.	Do. for Rs. 3 ..
	4	6 ,,	Do. ..	Do.	Do. do.	Do. for Rs. 3 ..
	5	2 ,,	Do. ..	Do.	Do. do.	Do. for Rs. 10 ..
	6	15 ,,	Intentional ..	Withdrawn ..	Do. do.	....
	7	1½ ,,	Do. ..	Compounded ..	Do. do.	Compounded for Rs. 15 ..
	8	13 ,,	Careless	Pending	Do. do.	....
	9	0·27 acre.	Do. ..	Withdrawn ..	Do. do.	....
	10	50 acres.	Do. ..	Pending	Do. do.	....
	11	15 ,,	Intentional ..	Do.	Do. do.	....
	12	5 ,,	Careless	Do.	Do. do.	....
	13	5 ,,	Do.	Withdrawn ..	Do. do.	....
	14	5 ,,	Do.	Do.	Do. do.	....
	15	5 ,,	Do.	Pending	Do. do.	....
The Nilgiris	1	20 ,,	Intentional ..	Convicted	Section 21 (*c*) of the Forest Act ..	Sentenced to receive eight stripes.
	2	....	Do. ..	Do.	Do. do.	First accused was sentenced to ten days' and second accused to fifteen days' imprisonment.
	3	....	Do. ..	Do.	Do. do.	Compounded for Rs. 20.
	4	....	Do. ..	Do.	Do. do.	The first accused was acquitted and the second was sentenced to imprisonment till the rising of the Court.
	5	½ acre.	Do. ..	Acquitted	....	....
	6	1 ,,	Do. ..	Convicted	Section 21 (*c*) of the Forest Act ..	Compounded for Rs. 4.
	7	....	Do. ..	Do.	Do. do.	Do. for Rs. 5.
	8	2 acres.	Do. ..	Do.	....	Fined Rs. 20.
	9	½ acre.	Careless	Acquitted	....	....
	10	....	Intentional ..	Withdrawn ..	Section 21 (*c*) of the Forest Act ..	This was shown as a preceding case during last year.
North Coimbatore ..	1	50 acres.	Do. ..	Pending	....	....
South Coimbatore (*a*) ..	1	20 ,,	Do. ..	Acquitted	Section 21 (*c*) of the Forest Act ..	....
	2	15 ,,	Do. ..	Partially convicted.	Do. do. ..	Out of the seven accused one died, one was acquitted and the remaining five were sentenced to a fine of Rs. 5 each or in default to suffer ten days' rigorus imprisonment.
Madura (*b*)	1 to 6	Not known ..	Do. ..	Withdrawn	Section 21 (*b*) of the Madras Forest Act.	....
	7 to 9	Do. ..	Do. ..	Pending	Do. do.	....
	10	Do. ..	Do. ..	Convicted (one accused).	Do. do.	Sentenced to simple imprisonment for two days.
Tinnevelly	1	125 acres.	Do. ..	Pending	Section 21 of the Forest Act ..	....
	2	5 ,,	Do. ..	Do.	Do. ..	....

(*a*) Last year's cases.

(*b*) Out of the ten cases four were last year's cases.

ANNUAL FORM No. 51.

Forest Department, Madras Presidency.

AREA of Forest Tracts protected from Fire during 1901–1902.

District.	Forest tracts.	Year in which protection commenced.	Area protected during the previous year.	During dry season of 1902.			Cost during the season.	Remarks.
				Area attempted to be protected.	Fires.	Actually protected.		
1	2	3	4	5	6	7	8	9
	Northern Circle.		ACS.	ACS.	ACS.	ACS.	RS.	
Ganjám—General—Kukuluba.	Gogodo	1890 ..	10,277	10,327	3,000	7,327	56	
	Chodiapalli	1891 ..	905	907	54	853	28	
	Chendragiri	1885 ..	17,675	18,320	1,770	16,550	79	
	Brahmanasai	1889 ..	6,883	7,033	1,460	5,573	54	
	Total, Kukuluba ..	..	35,740	36,587	6,284	30,303	217	
Mojjaguda.	Tiliki	1889 ..	3,929	4,000	158	3,842	32	
	Dhimirijholi	1889 ..	5,426	5,486	50	5,436	32	
	Darpangia	1889 ..	5,440	6,000	256	5,744	48	
	Gulleri	1889 ..	27,030	27,064	222	26,842	111	
	Kaliamba	1889 ..	* 8,790	8,896	103	8,793	64	
	Baiballi	1889 ..	9,900	10,000	222	9,778	48	
	Total, Mojjaguda ..	..	60,515	61,446	1,011	60,435	335	
Suradá ..	Dabuki	1890 ..	1,448	1,450	6	1,444	47	
	Dowgam	1889 ..	2,119	2,279	143	2,136	16	
	Pippalaponka	1889 ..	3,917	4,000	66	3,934	62	
	Total, Suradá ..	..	7,484	7,729	215	7,514	125	
Buguda ..	Panchabhuthi	1889 ..	3,900	3,000	63	2,937	64	
	Kurcholi	1889 ..	4,210	4,805	2,050	2,755	32	
	Total, Buguda ..	..	8,110	7,805	2,113	5,692	96	
Berhampur.	Kriamba	1902 ..	..	2,400	635	1,765	25	
	Ramagoda	1885 ..	7,931	7,955	..	7,955	32	
	Baniamari	1885 ..	3,852	4,030	2	4,028	32	
	South Mohiri	1885 ..	3,366	3,418	10	3,408	32	
	Total, Berhampur ..	..	15,149	17,803	647	17,156	121	
	Total, General ..	..	126,998	131,370	10,270	121,100	894	
Special—Kukuluba.	Brahmanasai	1901 ..	808	808	..	808	80	
Mojjaguda	Gulleri	1901 ..	382	550	10	540	70	
Buguda..	Kurcholi	1901 ..	1,264	1,268	..	1,268	100	
	Total, Special ..	..	2,454	2,626	10	2,616	250	
	Total, Ganjám (Special and General).	..	129,452	133,996	10,280	123,716	1,144	
Vizagapatam—Special.	Peddapalli	1892 ..	9,077	9,077	..	9,077	68	
	Kadagandi	1900–1901.	10,794	11,064	..	11,064	140	
	Barnakonda	1900–1901.	111	13,431	..	13,431	130	
	Madalammakonda ..							
	Narasipatam fuel working circle	1900–1901.	2,900	3,205	30	3,175	55	
	Pedimikonda	..	..	3,227	..	3,227	83	
	Arlova coupe	..	..	80	..	80	33	
	Total (Special) ..	..	22,882	40,084	30	40,054	509 —24 (*a*)	
General ..	Seethakhandi	..	..	2,368	43	2,325	..	
	Dharakonda	..	..	42,894	3,130	39,764	..	
	Senivaram	..	..	31,488	6,675	24,813	3	
	Karaka and Extension ..	..	..	8,093	540	7,553	..	
	Total (General) ..	..	..	84,843	10,388	74,455	3	
	Total, Special and General, Vizagapatam.	..	22,882	124,927	(*b*) 10,418	114,509	512 —24 (*a*)	

* Revised figures.

(*a*) Deducted as per Accountant-General's audited figures.

(*b*) In column 25 of the Government of India abstract printed at page 21 of the report an area of 30 acres only is reported to have been burnt in the district. The discrepancy has not been explained.

Area of Forest Tracts protected from Fire during 1901-1902—*cont.*

District.	Forest tracts.	Year in which protection commenced.	Area protected during the previous year.	During dry season of 1901.			Cost during the season.	Remarks.
				Area attempted to be protected.	Fires.	Actually protected.		
1	2	3	4	5	6	7	8	9
	Northern Circle—cont.							
Gódávari—(General)—Bhadráchalam range.	Dummagudem reserved forest.	1887 ..	Acs. 6,092	Acs. 6,110	Acs. 9	Acs. 6,101	Rs. 155	
	Arlagudem reserved forest.	1888 ..	* 6,136	6,136	..	6,136	152	
	Gogubaka reserved forest.	1887 ..	1,666	..	..	..	5	
	Total, Bhadráchalam ..	..	13,894	12,246	9	12,237	312	
Marrigudem range.	Repaka reserved forest	1887 ..	7,000	7,000	..	7,000	140	
	Ramachandram do.	1887 ..	10,300	10,300	..	10,300	180	
	Tatlanka do.	1887 ..	12,000	12,000	17	11,983	180	
	Total, Marrigudem ..	..	29,300	29,300	17	29,283	500	
Rekapalli range.	Mattapalli reserved forest.	1887 ..	9,500	9,500	125	9,375	200	
	Rekapalle hills reserve Compartment No. I.	1901 ..	5,980	6,000	6,000	..	208	
	Rekapalle hills reserve Compartment No. X.	1902 ..	..	6,000	900	5,100	168	
	Pulsemanidi reserved forest.	1902 ..	..	4,520	103	4,417	70	
	Total, Rekapalle ..	..	15,480	26,020	7,128	18,892	646	
	Total for the Subdivision.	..	58,674	67,566	7,154	60,412	1,458	
Rajahmundri range.	Devancheruvu reserved forest.	1887 ..	2,051	2,051	..	2,051	..	
	Kovida reserved forest .	1889 ..	1,280	1,280	..	1,280	16	
	Murari do. ..	1889 ..	700	700	..	700	16	
	Sudikonda do. ..	1887 ..	6,880	6,880	752	6,128	31	
	Tirumalayapalem reserved forest.	1887 ..	5,150	5,150	112	5,038	47	
	Mallavaram reserved forest.	1887 ..	7,600	7,600	85	7,515	22	
	Molleru reserved forest..	1887 ..	8,250	8,250	128	8,122	30	
	Lakkonda do. ..	1887 ..	13,104	13,104	800	12,304	57	
	Total, Rajahmundri ..	..	45,015	45,015	1,877	43,138	229	
Peddápuram range.	Thotapalli reserved forest.	1890 ..	2,150	2,150	..	2,150	32	
Yernagúdem range.	Jilugumalli reserved forest.	1898 ..	3,318	3,318	..	3,318	45	
	Beddadavole reserved forest.	1890 ..	14,999	15,000	72	14,928	185	
	Marlagudem reserved forest.	1890 ..	2,100	2,100	..	2,100	99	
	Barrinkalapadu reserved forest.	1898 ..	1,650	1,650	..	1,650	22	
	Fire tracing the Northern boundary of the reserves adjoining Hyderabad.						22	
	Total, Yernagúdem ..	..	22,067	22,068	72	21,996	373	
Ellore range.	Barrikonda reserved forest.	1888 ..	4,010	4,010	..	4,010	64	
	Bandamcherla reserved forest.	1888 ..	5,200	5,200	..	5,200	80	
	Erraguntapalli reserved forest.	1888 ..	8,640	8,640	..	8,640	112	
	Fire tracing the portion along the Hyderabad boundary of Erraguntapalli and Barrikonda reserves.						17	
	Total, Ellore ..	..	17,850	17,850	..	17,850	273	
	Total for the main division.	..	87,082	87,083	1,949	85,134	907	
	Total, Gódávari district..	..	145,756	154,649	9,103	145,546	2,365	
Kistna—(Special)—	Kondapalli reserve compartments 2, 3, 6, 9, 11 and 12.	1884-85 ..	20,722	8,900	1,500	7,400	188	
	Tadepalli reserve	1889-90 ..	1,150	2,305	18	2,287	23	
	Kondavid reserve	1888-89 ..	4,417	12,857	100	12,757	45	
	Venkatayapalem reserve compartments 1, 2 and 3.	1894-95 ..	15,525	15,588	..	15,588	136	
	Gangalakunta reserve ..	1890-91 ..	17,659	24,461	37	24,424	132	
	Pasvimula reserve ..	1892-93 ..	10,154	10,158	..	10,158	87	
	Total, Special ..	..	† 69,627	74,269	1,655	72,614	611	

* Revised figure.

† Incorrectly entered in the return as 69,577.

Area of Forest Tracts protected from Fire during 1901-1902—*cont.*

District.	Forest tracts.	Year in which protection commenced.	Area protected during the previous year.	During dry season of 1902.			Cost during the season.	Remarks.
				Area attempted to be protected.	Fires.	Actually protected.		
1	2	3	4	5	6	7	8	9
	Northern Circle—cont.		ACS.	ACS.	ACS.	ACS.	RS.	
(General)—	Bollapalli reserve compartments 1 to 6.	1885-86 ..	18,584	18,584	..	18,584	*Nil.*	
	Tadepalli reserve	..	1,155	1,155	..	1,155		
	Kondavid reserve ..	..	8,387	8,400	..	8,400		
	Venkatayapalem reserve.	..	24,978	24,978	..	24,978		
	Pasvemula reserve ..	..	8,217	8,217	..	8,217		
	Total, General ..	..	61,321	61,334	..	61,334	..	
	Total, Kistna (Special and General).	..	130,948	135,603	1,655	133,948	611	
Kurnool—(Special).	North and South Bairluti blocks.	1887 ..	..	17,152	10,500	6,652	195	
	"A" block	1889 ..	2,000	7,576	1,640	5,936	390	
	South Chelama	1891 ..	..	8,138	200	7,938	524	
	South Chelama Addition..	1894 ..	..	4,019	..	4,019	70	
	Gummakonda	1893 ..	5,680	7,680	413	7,267	181	
	Diguvametta	1891 ..	645	785	..	785	68	
	Zangambavi	1891 ..	113	113	..	113	37	
	Western Veligonda block.	1889 ..	17,780	17,780	420	17,360	90	
	Chelama Improvement felling block.	1895 ..	1,980	2,000	600	1,400	57	
	Fire tracing Railway line.	..	..	..	..	..	228	
	Gazulapalli Railway felling coupe.	1902 ..	..	* ..	..	..	12	
	Chelama Railway felling coupe.	1902 ..	..	269	4	265	46	
	Cumbum Railway felling coupe.	1902 ..	..	1,200	..	1,200	157	
	Total, Kurnool (Special).	..	28,198	66,712	13,777*	52,935	2,055 + 11 (*a*)	
Bellary—(Special)—Sandúr range.	Ramandrug	1883 ..	10,281	14,785	2,462	12,323	1,593	
	North-East range ..	1883 ..	14,910	16,010	8,592	7,418		
	Donimalai	1883 ..	9,205	9,205	4,960	4,245		
	Tornagal	1898-99 ..	48	50	..	50	18	
Adóni range.	Kuppigal	1892-93 ..	497	500	3	497	31	
	Tungabhadra	1892-93 ..	† 80	84	..	84	20	
Bellary range.	Malapanagudi	1886-87 ..	1,066	1,066	6	1,060	48	
Kudligi range.	Chiribi (Main)	1899-1900	4,380	4,380	..	4,380	50	
Harpanahalli range.	Hyrada coupes	1899-1900	2,616	2,616	1,500	1,116	23	
	Total, Bellary (Special) ..	..	43,083	48,696	17,523	31,173	1,783	
Anantapur—(Special).	Muchukota	1884 ..	7,000	7,000	..	7,000	233	
	Kottakota	1884 ..	10,873	11,016	15	11,001	268	
	Total, Special ..	..	17,873	18,016	15	18,001	501	
(General).	Kojjapalli ‡	1889 ..	342	342	..	342	18	
	Anantapur ‡	1889 ..	129	129	..	129	18	
	Durgam	1894 ..	3,640	3,640	..	3,640	18	
	Amagondapaliem	1884 ..	14,160	15,360	900	14,460	28	
	Gopidevarapalli	1891 ..	1,884	1,884	..	1,884	..	
	Nyalakota	1890 ..	8,516	12,156	3	12,153	28	
	Dokkalakonda	1898 ..	7,420	7,420	..	7,420	..	
	Guttur West	1887 ..	3,500	3,880	525	3,355	28	
	Kekathi	1898 ..	1,235	1,235	..	1,235	6	
	Total, General ..	..	40,826	46,046	1,428	44,618	144	
	Total, Anantapur (Special and General).	..	58,699	64,062	1,443	62,619	645	
	Total, Northern Circle (Special).	..	184,117	250,403	33,010	217,393	5,696	
	Total, Northern Circle (General).	..	374,901	478,242	31,189	447,053	3,406	
	Grand Total, Northern Circle.	..	559,018	728,645	64,199	664,446	9,102	

* Area included in "A" block. † Revised figure. ‡ Transferred from special to general protection.
(*a*) Added as per Accountant-General's audited figures.

Area of Forest Tracts protected from Fire during 1901-1902—*cont.*

District.	Forest tracts.	Year in which protection commenced.	Area protected during the previous year.	During dry season of 1902.			Cost during the season.	Remarks.
				Area attempted to be protected.	Fires.	Actually protected.		
1	2	3	4	5	6	7	8	9
	Central Circle.		ACS.	ACS.	ACS.	ACS.	RS.	
Cuddapah ..	Kodur reserve ..	1871 ..	7,440	7,440	1,100	6,340	185	
	Settigunta do. ..	1874 ..	8,960	8,960	1,010	7,950	167	
	Thunukonda do. ..	1867-73-90	1,048	1,048	1	1,047	79	
	Seshachellam and its addition reserve	1887 ..	* 176,200	176,200	8,244	167,956	1,365	
	Vattalur	1881 ..	2,880	2,880	7	2,873	49	
	Nigadi	..	* 14,000	14,000	1,928	12,072	151	
	Kondakomerla	1890 ..	3,700	..	..	..	4	
	Tummalamala	1881 ..	* 8,500	..	..	..	15	
	Kokkanty	..	2,000	..	..	..	4	
	Tsadukonda	..	2,200	2,200	..	2,200	37	
	Modugamala	..	1,400	..	..	..	..	
	Horsleykonda ..	..	9,630	9,630	..	9,630	87	
	Nurukuppalakonda ..	..	3,600	..	..	..	12	
	Yellutla	..	3,500	..	..	..	3	
	Ankalammakonda ..	..	2,000	..	..	..	7	
	Gorantlapalli	..	4,000	..	..	..	10	
	Lankamalais	1883 ..	* 7,000	7,000	5,260	1,740	627	
	Guvvalacheruvu	1883 ..	7,600	..	..	..	..	
	Rekkalukonda	1887 ..	1,200	..	..	..	4	
	Urakonda	1881 ..	2,000	..	..	..	3	
	Gadikota	1883 ...	* 12,480	12,480	320	12,160	123	
	Sibyala	1887 ..	3,500	..	..	..	14	
	Kanamalapalli	..	* 4,435	..	..	..	20	
	Tsundupalli	..	3,000	..	..	..	..	
	Kothukotu Dasarapalli ..	1883-85-89-91	* 51,200	51,200	12,825	38,375	682	
	Diguva Kalvatalu ..	1881 ..	858	..	..	..	2	
	Dhodyam	..	1,345	..	..	..	2	
	Kodur, Malamedikumbhole dinne.	..	1,366	..	..	..	2	
	Gandikota	..	372	..	..	..	2	
	Zamavaram	..	200	..	..	..	6	
	Kosinipalli	..	730	..	..	..	2	
	Bhanukotamala	..	750	..	..	..	2	
	Niduguvvi	..	696	..	..	..	2	
	Yerrakonda extension ..	1899 ..	* 32,000	32,000	2,640	29,360	133	
	Palakonda old reserve ..	1901 ..	* 25,300	25,300	266	25,034	515	
	Upparapalli, Kodur, Riddipalli, Pullampet and Mittanudipalli plantations.	..	1,700	1,700	..	1,700	..	
	Total, Cuddapah (General).	..	408,790	352,038	33,601	318,437	4,316	
		..	..	..	..	..	..	
Nellore ..	Udayagiri-Veligonda in Udayagiri range.	1883 ..	60,000	60,000	49	59,951	462	
	Rapur-Veligonda in Rapur range.	1883 ..	* 30,720	30,720	2,780	27,940	347	
	Nandanavanam block and its extensions A and B and Vedullacheruvu or Kanigiri Veligonda.	1883 ..	26,780	26,780	10	26,770	292	
	Udayagiri Durgam hill and Karisakonda in Udayagiri range.	1902 ..	..	15,760	..	15,760	51	
	Total, Nellore (General).	..	117,500	133,260	2,839	130,421	1,152	
Chingleput ..	Maiyur	1900-1901.	283	283	..	283	451	
	Karunguli tope	1900-1901.	16	16	..	16		
Trivallúr ..	Kambakkam *	1883-84 ..	15,879	15,879	50	15,829		
	Nagalapuram *	1883-84 ..	9,632	9,632	30	9,602		
	Total, Chingleput (General).	..	25,810	25,810	80	25,730	451 + 85 (*a*)	

* The difference between the closing balance of the previous year and the opening balance of the year under report has not been explained.

(*a*) Added as per Accountant-General's audited figures.

Area of Forest Tracts protected from Fire during 1901-1902—*cont.*

Districts.	Forest tracts.	Year in which protection commenced.	Area protected during the previous year.	During dry season of 1902.			Cost during the season.	Remarks.
				Area attempted to be protected.	Fires.	Actually protected.		
1	2	3	4	5	6	7	8	9
	Central Circle—cont.		ACS.	ACS.	ACS.	ACS.	RS.	
North Arcot —*cont* Special protection.	Paradarani	1880 ..	13,402	13,402	..	13,402	60	
	Irala A and B	1888 ..	15,622	12,531	26	12,505	128	
	Chittaparai	1888 ..	4,250	4,250	..	4,250	41	
	Cheelapalli	1884 ..	1,166	1,166	..	1,166	16	
	Mahimandalam	1888 ..	2,502	2,528	..	2,528	12	
Chittoor ..	Pachigunta	1888 ..	1,800	1,800	..	1,800	19	
	Veerasettipalli	1888 ..	4,633	7,287	..	7,287	28	
	Puthalapat	1891 ..	3,077	3,077	..	3,077	19	
	Parappumalai	1899 ..	2,227	2,227	..	2,227	39	
	Tavanampalli	1899 ..	1,862	1,862	..	1,862	36	
	Kinatipalli	1884 ..	1,417	1,417	..	1,417	13	
	Total, Chittoor ..	..	51,958	51,547	26	51,521	411	
Chendragiri.	Napier	1850 ..	8,380	8,826	41	8,785	308	
	Mamandur	1874 ..	1,776	1,760	..	1,760	135	
	Do. extension ..	1888 ..	8,000	10,291	..	10,291	164	
	Mungilpat	1890 ..	22,697	27,744	40	27,704	92	
	Panapakam	1880 ..	6,390	17,318	..	17,318	112	
	Chamala	1880 ..	9,600	19,142	33	19,109	219	
	Nagapatla	1890 ..	8,209	18,912	38	18,874	84	
	Tirupati hill	1888 ..	15,880	18,554	2,240	16,314	172	
	Tirupati extension A and B	1891 ..	5,836	6,298	..	6,297	45	
	Panapakam extension ..	1892 ..	9,730	9,081	..	9,082	3	
	Chandragiri hill *	1892 ..	983	1,293	..	1,293	2	
	Total, Chandragiri ..	..	97,481	139,219	2,392	136,827	1,336	
Palmanér ..	Peddanaigdrug	1880 ..	13,966	14,419	37	14,382	98	
	Mordana	1884 ..	11,593	11,655	3	11,652	89	
	Charagal	1888 ..	18,185	18,285	343	17,942	95	
	Peddur	1880 ..	16,445	16,526	720	15,806	104	
	Naickaneri	1880 ..	6,800	6,840	135	6,705	57	
	Musilimadugu	1884 ..	4,915	5,542	..	5,542	147	
	Palmanér	1892 ..	6,449	6,451	..	6,451	56	
	Peddur extension ..	1895 ..	10,605	10,605	1	10,604	5	
	Total, Palmanér ..	..	88,958	90,323	1,239	89,084	651	
Gudiyáttam.	Panamadangi	1887 ..	10,512	10,515	..	10,515	18	
	Naickaneri	1884 ..	4,454	5,154	..	5,154	41	
	Mordana	1884 ..	12,159	12,159	..	12,159	37	
	Ambur drug	1884 ..	10,139	10,139	..	10,139	62	
	Mordana extension ..	1891 ..	8,344	9,094	243	8,851	23	
	Gundlapalli	1894 ..	7,354	7,354	..	7,354	33	
	Do. extension ..	1894 ..	928	928	..	928	4	
	Sayanagunta	1891 ..	6,400	7,352	..	7,352	20	
	Kanjanur	1893 ..	1,549	1,549	4	1,545	16	
	Karapet ..	1892 ..	8,000	8,000	..	8,000	70	
	Paradarami extension ..	1889 ..	1,888	1,888	..	1,888	13	
	Total, Gudiyáttam ..	..	71,727	74,132	247	73,885	337	
Vellore ..	Arasampattu	1887 ..	17,640	17,890	519	17,371	130	
	Ambur fuel	1879 ..	5,453	5,453	..	5,453	35	
	Vellakal	1889 ..	5,037	5,037	1	5,036	59	
	Ambur block	1887 ..	27,878	27,878	..	27,878	109	
	Athiyur	1889 ..	4,800	4,800	155	4,645	37	
	Palamadi	1880 ..	6,256	8,160	203	7,957	85	
	Thellai (Vellore portion) ..	1891 ..	1,180	1,330	5	1,325	34	
	Karuthamalai	1882 ..	20,437	20,487	..	20,487	47	
	Kylasagiri	1892 ..	2,234	2,534	85	2,449	81	
	Kaniambadi	1892 ..	5,422	5,472	17	5,455	14	
	Sanankuppam	1893 ..	13,598	13,843	1	13,842	51	
	Appukal	1892 ..	800	800	..	800	30	
	Total, Vellore ..	..	110,735	113,684	986	112,698	712	

* Transferred from general to special protection.

Area of Forest Tracts protected from Fire during 1901–1902—*cont.*

Districts.	Forest tracts.	Year in which protection commenced.	Area protected during the previous year.	During dry season of 1902.			Cost during the season.	Remarks.
				Area attempted to be protected.	Fires.	Actually protected.		
1	2	3	4	5	6	7	8	9
North Arcot—*cont.* Special protection—*cont.*	*Central Circle*—cont.		ACS.	ACS.	ACS.	ACS.	RS.	
Pólúr ..	Karnatighur	1881 ..	6,670	7,270	..	7,270	240	
	Malayalam	1887 ..	28,558	28,614	154	28,460	166	
	Mulakad	1890 ..	15,658	15,744	12	15,732	134	
	Santavasal	1890 ..	9,580	9,670	33	9,637	55	
	Periyamalai	1892 ..	6,370	6,970	155	6,815	56	
	Paruvadamalai	1892 ..	5,769	5,779	15	5,764	37	
	Thellai (Pólúr portion) ..	1891 ..	14,862	14,862	..	14,862	32	
	Vellimalai	1893 ..	1,967	2,003	..	2,003	16	
	Kelur	1884 ..	2,989	2,989	50	2,939	7	
	Virappanur	1886 ..	31,469	31,469	..	31,469	27	
	Puttur	1879 ..	18,458	18,458	..	18,458	55	
	Total, Pólúr ..	..	142,350	143,828	419	143,409	825	
Arcot-Walajah.	Banavaram	1880 ..	1,021	1,021	5	1,016	15	
	Punganur	1884 ..	12,528	13,498	1,430	12,068	111	
	Ammur	1884 ..	4,438	5,139	..	5,139	54	
	Total, Arcot-Wallajah ..	..	17,987	19,658	1,435	18,223	180	
	Total, Special, North Arcot.	..	581,196	632,391	6,744	625,647	4,452	
General protection—								
Chittoor ..	Santhapet	1882 ..	2,148	2,148	..	2,148	..	
	Basavapalli	1888 ..	1,784	1,784	..	1,784	..	
	Bommasamudram ..	1891 ..	1,172	1,172	..	1,172	..	
	Vadilatata	1891 ..	2,495	2,495	..	2,495	..	
	Chittoor	1882 ..	385	385	..	385	..	
	Bommasamudram extension.	1892 ..	1,312	1,312	15	1,297	..	
	Kinatipalli extension ..	1893 ..	1,020	1,020	..	1,020	..	
	Basavapalle do. ..	1894 ..	841	841	..	841	..	
	Reddigunta	1893 ..	1,441	1,441	..	1,441	..	
	Chase's hill	1893 ..	2,692	2,692	..	2,692	..	
	Iralla extension	1893 ..	2,650	2,649	..	2,649	..	
	Penumur	1891 ..	1,082	1,082	..	1,082	..	
	Penamur extension ..	1893 ..	3,392	3,123	..	3,123	..	
	Santhapet do. ..	1893 ..	482	482	..	482	..	
	Total, Chittoor ..	..	22,896	22,626	15	22,611	..	
Chandragiri.	Sanambatla *	1892 ..	4,988	5,139	13	5,126	..	
	Pakala A and B	1894 ..	2,170	2,035	..	2,035	..	
	Napier extension	1900 ..	26	26	..	26	..	
	Penamur	1893 ..	1,015	1,350	..	1,350	..	
	Padipatlabylu *	1880 ..	4,295	4,295	..	4,295	..	
	Damancherla *	1892 ..	2,367	2,367	..	2,367	..	
	Total, Chandragiri ..	..	14,861	15,212	13	15,199	..	
Palmanér ..	Basavareddipalli	1884 ..	5,952	5,952	..	5,952	..	
	Palmanér plantation ..	1884 ..	2	2	..	2	..	
	Nagamangalam do. ..	1884 ..	20	20	..	20	..	
	Muduguvaripalli do. ..	1884 ..	4	4	..	4	..	
	Venkatagirikota	1884 ..	9	9	..	9	..	
	Baireddipalli plantation ..	1884 ..	4	4	..	4	..	
	Melmoyi	1884 ..	1,568	1,568	..	1,568	..	
	Jangalapalle	1884 ..	3,034	3,034	25	3,009	..	
	Pattikonda	1893 ..	5,190	5,190	..	5,190	..	
	Musalimadugu extension.	1895 ..	1,875	1,875	..	1,875	..	
	Basavareddipalli A ..	1895 ..	2,170	2,170	..	2,170	..	
	Do. B ..	1895 ..	5,792	5,792	..	5,792	..	
	Alapalli	1895 ..	2,029	2,029	..	2,029	..	
	Nellipatla	1895 ..	7,705	7,705	..	7,705	..	
	Veerlabunda	1895 ..	2,511	2,511	..	2,511	..	
	Thotakanama	1895 ..	5,497	4,710	..	4,710	..	
	Total, Palmanér ..	..	43,362	42,575	25	42,550	..	
Gudiyáttam.	Tiruvallam plantation ..	1884 ..	431	431	..	431	..	
	Virinjipuram do. ..	1884 ..	260	260	..	260	..	
	Cheyur do. ..	1884 ..	130	130	..	130	..	
	Ammundi do. ..	1884 ..	160	160	..	160	..	

* These blocks were shown in last year's return as being under special protection.

Area of Forest Tracts protected from Fire during 1901–1902—*cont.*

Districts.	Forest tracts.	Year in which protection commenced.	Area protected during the previous year.	During dry season of 1902.			Cost during the season.	Remarks.
				Area attempted to be protected.	Fires.	Actually protected.		
1	2	3	4	5	6	7	8	9
North Arcot —*cont.*			ACS.	ACS.	ACS.	ACS.	RS.	
General protection—*cont.*	*Central Circle*—cont.							
Gudiyáttam —*cont.*	Tandavaroygatta	1884 ..	3	3	..	3	..	
	Vikramasi	1884 ..	129	129	..	129	..	
	Pallalakuppam	1892 ..	6,732	6,822	..	6,822	..	
	Do. extensions A. and B.	1893 ..	5,883	5,883	..	5,883	..	
	Bommanayakan Palaiyam.	1894 ..	913	913	..	913	..	
	Naickaneri extension * ..	1887 ..	1,468	1,568	..	1,568	..	
	Syasgunta extensions A and B *	1892 ..	4,395	2,508	..	2,508	..	
	Kampasamudram A and B.*	1893 ..	1,414	1,414	..	1,414	..	
	Kallapady	1894 ..	6,945	6,945	..	6,945	..	
	Total, Gudiyáttam ..	..	28,863	27,166	..	27,166	..	
Pólúr ..	Arasampettu*	..	12,824	12,824	..	12,824	..	
	Amerdi plantation ..	1884 ..	25	25	..	25	..	
	Patrakad	1881 ..	25,214	25,254	80	25,174	..	
	Kappalur	1884 ..	1,424	1,504	..	1,504	..	
	Alialamangalam	1884 ..	10,027	10,027	..	10,027	..	
	Santavasal extension ..	1892 ..	331	331	15	316	..	
	Total, Pólúr ..	..	49,845	49,965	95	49,870	..	
Vellore ..	Ambúr plantation ..	1884 ..	6	6	..	6	..	
	Vellore*	1892 ..	1,913	2,413	80	2,333	..	
	Pallikonda*	1892 ..	3,898	3,898	28	3,870	..	
	Nellimalai *	1892 ..	2,797	2,797	..	2,797	..	
	Paravadamalai*	1892 ..	7,078	7,078	..	7,078	..	
	Total, Vellore ..	..	15,692	16,192	108	16,084	..	
Wandiwash.	Brahmankatteri	1884 ..	561	561	..	561	..	
	Kodiyalam	1884 ..	243	243	..	243	..	
	Badur	1884 ..	835	835	..	835	..	
	Vengunam	1884 ..	1,288	1,288	..	1,288	..	
	Nambedu	1884 ..	947	947	..	947	..	
	Vishamangalam	1884 ..	1,148	1,148	..	1,148	..	
	Ponnur	1884 ..	1,656	1,656	..	1,656	..	
	Nedungal	1884 ..	2,298	2,298	4	2,294	..	
	Nedungunam	1884 ..	1,697	1,697	..	1,697	..	
	Nambedu extensions A, B and C	1895 ..	397	397	..	397	..	
	Total, Wandiwash ..	..	11,070	11,070	4	11,066	..	
Arcot ..	Kilminnal plantation ..	1884 ..	150	150	..	150	..	
	Saunleri	1884 ..	1,675	1,675	..	1,675	..	
	Sathur	1884 ..	750	750	..	750	..	
	Tandappanthangal ..	1884 ..	1,100	1,100	..	1,100	..	
	Enadanadi	1884 ..	1,565	1,565	..	1,565	..	
	Solavaram	1884 ..	1,184	1,184	..	1,184	..	
	Do. extension ..	1895 ..	885	885	..	885	..	
	Tandappanthangal extension	1895 ..	310	310	..	310	..	
	Total, Arcot ..	..	7,619	7,619	..	7,619	..	
Walajah ..	Vannivedu plantation ..	1884 ..	38	38	..	38	..	
	Arkonam do. ..	1884 ..	58	58	..	58	..	
	Gudulur	1884 ..	535	535	..	535	..	
	Ananthapuram	1880 ..	540	540	..	540	..	
	Ammanur	1880 ..	203	203	..	203	..	
	Kolattur	1884 ..	1,729	1,729	..	1,729	..	
	Head Assistant Collector's compound	1884 ..	4	4	..	4	..	
	Total, Walajah ..	..	3,107	3,107	..	3,107	..	
	Total, General, North Arcot	..	197,315	195,532	260	195,272	..	
	Total, North Arcot, Special and General	..	778,511	827,923	7,004	820,919	4,452	

* Shown in last year's return as being under "special" protection.

Area of Forest Tracts protected from Fire during 1901–1902—*cont.*

District.	Forest tracts.	Year in which protection commenced.	Area protected during the previous year.	During dry season of 1902.			Cost during the season.	Remarks.
				Area attempted to be protected.	Fires.	Actually protected.		
1	2	3	4	5	6	7	8	9
	Central Circle—cont.		ACS.	ACS.	ACS.	ACS.	RS.	
South Arcot (Special) protection—	Annamalai reserved forest	1878 ..	2,640	2,640	..	2,640	116	
	Kavuthimalai do. ..	1878 ..	7,077	7,085	..	7,085	107	
	Tenmalai do. ..	1877 ..	31,141	31,706	..	31,706		
	Nallapatti do. ..	1889 ..	5,094	5,094	..	5,094		
	Pelamarudur do. ..	1889 ..	5,075	5,075	..	5,075	325	
	Paramanandal do. ..	1895 ..	1,517	1,517	60	1,457		
	Mudanai do. ..	1898 ..	7,046	7,046	..	7,046		
Tiruvannámalai.	Valasamalai do. ..	1883-84 ..	12,366	12,369	..	12,369	225	
	Nattampalli do. ..	1889 ..	7,270	7,270	3	7,267	203	
	Perunkolattur-Swamimalai reserved forest.	1883–84 ..	9,312	9,312	10	9,302	100	
	Chinnasamudram reserved forest.	1900 ..	2,842	2,842	1	2,841	35	
	Damarakadu reserved forest.	1900 ..	5,725	5,950	..	5,950	106	
Kallakurchi range.	Takarai reserved forest ..	1883–84 ..	14,338	14,338	..	14,338	140	
	Total, South Arcot, (Special).	..	111,443	112,244	74	112,170	1,357 + 734(*a*)	
Salem, North (Special)	Alangayam	1891 ..	2,082	2,400	..	2,400	39	
	Narasingapuram	1893 ..	1,595	1,722	..	1,722	34	
	Kalarapatti	1895 ..	1,840	1,840	..	1,840	34	
	Vellakuttai	1896 ..	620	620	..	620	14	
	Punkulam coupes	1895-96 ..	1,000	1,200	..	1,200	41	
	Mambakkam	1894 ..	1,000	1,000	..	1,000	52	
	Andiappanur	1894 ..	1,700	1,700	..	1,700	44	
	Govindapuram	1895 ..	1,955	1,955	..	1,955	71	
	Madakadappa	1896 ..	313	313	..	313	14	
Tiruppattúr.	Singarapet coupe ..	1881 ..	3,391	3,491	30	3,461	82	
	Kottur (Elagiri) ..	1885 ..	1,200	1,200	..	1,200	40	
	Onnakarai	1897 ..	1,800	3,000	..	3,000	69	
	Kallavi	..	450	750	..	750	26	
	Burgur block	1892 ..	2,000	2,000	..	2,000	24	
	Kottur do.	1883 ..	2,350	2,350	..	2,350	60	
	Neralkottai	1893 ..	1,227	1,560	..	1,560	74	
	Maharajagadai	1896 ..	1,275	1,626	..	1,626	56	
	Thogarapalli	1884 ..	750	750	..	750	12	
	Mangalam	1901–1902 ..	..	310	..	310	32	
	Melagiri	1885 ..	5,431	5,461	51	5,410	78	
	Kanavoikottapalli ..	1885 ..	742	742	5	737	17	
	Gulhati	1885 ..	3,248	3,248	..	3,248	54	
	Manchi	1885 ..	3,255	3,255	70	3,185	24	
Hosúr ..	Kemavanaigasamudram S.P.B.	1885 ..	416	416	..	416	19	
	Jowlagiri	1900 ..	4,628	5,160	1,525	3,635	24	
	Neganur coupe	1900 ..	252	252	5	247	14	
	Pannikaradu	1882 ..	2,645					
	Kurumbapatti	1897 ..	4,000	6,445	216	6,229		
	Nugaramalai	..	..				288	
	Kapputhoo	1897 ..	1,000					
	Manjavadi	..	..	1,470	..	1,470		
	Velampatti	1902 ..	..					
	Vadugampatti	1881 ..	1,974	..	..	..		
	Morur block No. 2 ..	1881 ..	799	799	..	799		
	Ammanur block	1882 ..	252	..	..	..		
	Pellapalli Kombai ..	1882 ..	981	..	..	..		
	Karuvattuparai	1863 ..	837	..	..	..		
	Atur ghaut coupes I to III Sher: W. Wg. Circle coupes I to III	1900 ..	504	937	250	687	149	
Salem, South (Special).	Kanjeri S.P.B.	1882 ..	1,929	1,929	..	1,929		
	Kuriappukombai	1897 ..	181	181	..	181		
	Harur	1882 ..	1,028	1,028	..	1,028		
	Mallapuram	1882 ..	606	606	1	605		
	Kouramalai old coupe ..	1898 ..	609	609	..	609		
	Mukkanur	1901 ..	960	960	..	960		
	Coupe No. 1 of Sherv N.W.C.	1902 ..	..	600	..	600	304	
	Coupe No. 1 Kouramalai.	1902 ..	..	340	..	340		
	Do. Chitteri S.W. Wg. Circle.	1902 ..	..	450	..	450		
	Coupe No. 1 N.W.C. ..	1902 ..	..	450	1	449		
	Do. Ponniar Wg. Circle.	1902 ..	..	240	..	240		

(*a*) Added as per Accountant-General's audited figures.

Area of Forest Tracts protected from Fire during 1901-1902—*cont.*

Districts.	Forest tracts.	Year in which protection commenced.	Area protected during the previous year.	During dry season of 1902.			Cost during the season.	Remarks.
				Area attempted to be protected.	Fires.	Actually protected.		
1	2	3	4	5	6	7	8	9
	Central Circle—cont.		ACS.	ACS.	ACS.	ACS.	RS.	
Salem, South (Special)—*cont.*	Poyyappatti	1902 ..	..	108	..	108	..	
	Harur	1902 ..	..	50	..	50	..	
	Pattimedu old coupe ..	1902 ..	..	20	..	20	4	
Hosúr Working Circle.	Do. new coupe ..	1902 ..	..	50	..	50	7	
	Panamudal do. ..	1902 ..	..	50	..	50	7	
	Do. old coupe ..	1902 ..	..	60	..	60	9	
	Mannur coupe	1902 ..	..	136	..	136	11	
	Nagalur do.	1902 ..	..	60	..	60	9	
	Total, Special, Salem ..	..	62,825	65,899	2,154	63,745	1,836 + 23 (*a*)	
*Trichinopoly (General)—Musiri ..	Sengattupatti	1885-86 ..	3,000	3,000	..	3,000		
	Manmalai	1887-88 ..	5,596	6,000	5	5,995		
	T. Kanapadi	1887-88 ..	12,000	12,000	..	12,000		
	Karuppan Kadu Thittu ..	1886-88 ..	2,000	2,000	..	2,000		
	Mélúr	1885-86 ..	3,000	3,000	..	3,000		
	V. Kanappadi	1887-88 ..	10,000	10,000	3	9,997		
	Palamalai	1888-89 ..	10,000	10,000	..	10,000		
	Kaliammankoil Thittu ..	1889-90 ..	1,500	1,500	..	1,500		
	Kanappadi Kannimarsolai.	1889-90 ..	2,560	2,560	..	2,560	† 146	
Perambalúr	Manalodai	1885-86 ..	5,000	5,000	..	5,000		
	Sholamathi	1885-86 ..	6,000	6,000	..	6,000		
	Selaiyur	1889-90 ..	1,600	1,600	..	1,600		
	Puliyur	1890-91 ..	9,996	10,000	1	9,999		
	Sengathur	1890-91 ..	10,000	10,000	60	9,940		
	Valaiyur	1900-1901.	1,655	1,655	40	1,615		
	Arasadi Arinittu ..	1900-1901.	2,000	2,000	..	2,000		
	Pulambadi No. I	1900-1901.	2,884	2,884	..	2,884		
	Total, Trichinopoly (General).	..	88,791	89,199	109	89,090	† 146	
Tanjore ..	Tanjore	..	..	..	..	..	..	
	Total, Special, Central Circle.	..	755,464	810,534	8,972	801,562	8,402	
	Total, General, Central Circle.	..	838,206	795,839	36,889	758,950	6,150	
	Grand Total, Central Circle.	..	1,593,670	1,606,373	45,861	1,560,512	14,552	
	Southern Circle.							
‡South Canara (Special)—Coondapoor	Sarapanamane	1886-87 ..	795	796	..	796	39	
	Savantagadde	1896-97 ..						
	Honnukodlu	1894-95 ..	584	584	..	584	31	
	Herur	1893-94 ..	2,811	2,884	22	2,862	34	
	Talaburane	1895-96 ..	611	611	..	611	31	
	Chittur	1895-96 ..	2,219	2,234	..	2,234	9	
	Kadike	1895-96 ..	2,689	2,735	200	2,535	..	
	Karnigadde	1895-96 ..	1,161	1,161	..	1,161	31	
	Total, Coondapoor ..	..	10,870	11,005	222	10,783	175	
Udipi ..	Chinkramale	1885-86 ..	2,550	2,560	30	2,530	37	
	Tenkahola	1886-87 ..	2,039	2,039	..	2,039	32	
	Mavinakodlu	1895-96 ..	1,625	1,627	..	1,627	35	
	Huvakladi	1895-96 ..	1,276	1,280	6	1,274	30	
	Jatkatmale	1897-98 ..	1,384	1,386	1	1,385	26	
	Durgamale	1897-98 ..	1,600	1,601	34	1,567	30	
	Total, Udipi ..	..	10,474	10,493	71	10,422	190	
Mangalore	Munjimale	1894-95 ..	3,080	3,200	150	3,050	20	
	Todar	1889-90 ..	428	458	..	458	25	
	Hospet	1889-90 ..	374	376	6	370	27	
	Naninjemale	1897-98 ..	1,399	1,459	80	1,379	30	
	Total, Mangalore ..	..	5,281	5,493	236	5,257	102	

* These blocks were in former years protected by fire lines and patrols. Since 1893-94 no money has been spent on fire lines, as the Conservator and the District Forest-officer considered them unnecessary.

† This sum represents the amount paid to Malayalis on the Pachamalais with whom agreements are entered into for keeping the lines clear and preserving the forests safe from fire. Besides the area entered in column 6, a very insignificant fire which burnt 2 cents. of and occurred in the Mélúr reserved forest.

‡ The difference between the closing balance of the previous year and the opening balance of the year under report in respect of many of the forest tracts has not been explained.

(*a*) Added as per Accountant-General's audited figures.

Area of Forest Tracts protected from Fire during 1901-1902—*cont.*

Districts.	Forest tracts.	Year in which protection commenced.	Area protected during the previous year.	During dry season of 1902.			Cost during the season.	Remarks.
				Area attempted to be protected.	Fires.	Actually protected.		
1	2	3	4	5	6	7	8	9
South Canara (Special)—*cont.*	*Southern Circle*—cont.		ACS.	ACS.	ACS.	ACS.	RS.	
Uppinangadi	Dharmastala	1887-88 ..	4,997	4,997	499	4,498	89	
	Mujur	1901-1902.	..	10,106	51	10,055	71	
	Miyar	1901-1902.	..	17,533	58	17,475	84	
	Kombai	1901-1902.	..	9,396	25	9,371	57	
	Kidu	1901-1902.	..	6,414	51	6,363	57	
	Konaji	1901-1902.	..	6,632	77	6,555	20	
	Total, Uppinangadi ..	..	4,997	55,078	761	54,317	378	
Puttur ..	Parappa	1896-97 ..	2,560	2,560	10	2,550	53	
	Kanakamajal	1899-1900.	2,249	2,249	..	2,249	20	
	Pumale	1897-98 ..	3,840	3,840	..	3,840	59	
	Jalsur block (felled area).	1900-1901.	5,120	5,120	..	5,120	52	
	Total, Puttur ..	..	13,769	13,769	10	13,759	184	
South Canara (General.)—	Total, Special ..	..	45,391	95,838	(*b*) 1,300	94,538	1,029	
Coondapoor.	Sabladi	1884-85 ..	208	208	..	208	6	
	Kasanakatte	1893-94 ..	262	262	..	262	16	
	Herkur	1893-94 ..	858	858	..	858	18	
	Darlegudde	1893-94 ..	168	168	..	168	6	
	Mudaragudde	1893-94 ..	356	356	..	356	13	
	Abbigudde	1897-98 ..	1,434	1,434	..	1,434	32	
	Baindur	1897-98 ..	5,709	5,795	..	5,795	7	
	Total, Coondapoor ..	..	8,995	9,081	..	9,081	98	
Udipi ..	Pilarkan	1883-84 ..	320	320	..	320	..	
	Manaje	1886-87 ..	423	423	..	423	11	
	Jaravattu	1894-95 ..	417	418	..	418	6	
	Hale Someshwar	1895-96 ..	1,895	1,895	..	1,895	10	
	Mensinkan	1896-97 ..	983	1,008	..	1,008	6	
	Matkalgudde	1897-98 ..	251	251	1	250	4	
	Total, Udipi ..	..	4,289	4,315	1	4,314	37	
Puttur ..	Veerakamba	1897-98 ..	1,683	1,683	9	1,674	34	
	Kalanjimale	1898-99 ..	3,049	3,049	120	2,929	17	
	Panja	1901-1902.	..	2	..	2	1	
	Goonadka	1901-1902.	..	2	..	2	10	
	Kilarmale	1901-1902.	..	100	..	100	6	
	Total, Puttur ..	..	4,732	4,836	129	4,707	68	
	Total, General ..	..	18,016	18,232	130	18,102	203	
	Total, South Canara (Special and General).	..	63,407	114,070	(*b*) 1,430	112,640	1,232+*22	
North Malabar—Special ..	Begur	1882-83 ..	2,500	5,166	6	5,160	† 406	
	Kurchiyat	1887-88 ..	6,025	6,025	..	6,025	† 428	
	Kanoth plantations ..	1894-95 ..	264	264	..	264	† 55	
	Total, Special ..	..	8,789	11,455	6	11,449	889	
General ..	Begur	1882 83 ..	12,776	12,776	..	12,776	..	
	Tirunelli	1894-95 ..	5,473	5,473	..	5,473	..	
	Kurchyat	1887-88 ..	11,929	12,029	..	12,029	..	
	Mavanhulla	1894-95 ..	12,576	12,576	..	12,576	..	
	Rampur	1894-95 ..	18,854	18,854	..	18,854	..	
	Peria	1894-95 ..	6,400	6,400	..	6,400	..	
	Total, General ..	..	68,008	68,108	..	68,108	..	
	Total, North Malabar (Special and General).	..	76,797	79,563	6	79,557	889 —10 (*a*)	
South Malabar (Special)—								
Nilambúr Range.	Amarampalem reserve ..	1860-61 ..	468	468	..	468	80	
	Chathamborai do. ..	1872-73 ..	700	624	..	624	148	
	Teak plantations	1842-43 ..	3,517	‡ 3,516	..	3,516	736	
	Edakode natural forests ..	1898-99 ..	200	400	..	400	32	
	Arimbrakutti mala do. ..	1899-1900.	300	322	..	322	52	
	Total, Nilambúr Range.	..	5,185	5,330	..	5,330	1,048	

* Sundries. † Includes also the cost of protecting the area under general protection.

‡ Deducted 76 acres being the area of rivers. Due to revised estimate of area.

(*a*) Deducted as per Accountant-General's audited figures.

(*b*) In column 25 of the Government of India abstract printed at page 21 of the report, an area of 742 is reported to have been burnt. The discrepancy has not been explained.

Area of Forest Tracts protected from Fire during 1901–1902—*cont.*

District.	Forest tracts.	Year in which protection commenced.	Area protected during the previous year.	During dry season of 1901–1902.			Cost during the season.	Remarks.
				Area attempted to be protected.	Fires.	Actually protected.		
1	2	3	4	5	6	7	8	9
	Southern Circle—cont.		ACS.	ACS.	ACS.	ACS.	RS.	
South Malabar (Special)—*cont.*								
Amarampalam Range.	Karimpaya reserve ..	1884–85 ..	4,240	* 3,955	..	3,955	249	
	Nellikutta do. ..	1883–84 ..	1,824	1,824	..	1,824	128	
	New Amarampalam reserve	1889–90 ..	75,000	75,000	..	75,000	196	
	Kariem mariem forest ..	1901–1902.	..	2,716	..	2,716	295	
	Total, Amarampalam Range.	..	81,064	83,495	..	83,495	868	
Palghat Range.	Walayar reserve ..	1873–74 ..	3,017	† 3,014	..	3,014	‡ 307	
	Chenat Nair do. ..	1884–85 ..	15,203	15,203	..	15,203	429	
	Tamparalli pottai do. ..	1891–92 ..	124	124	..	124	15	
	Dhoni do. ...	1898–99 ..	45	45	..	45	14	
	Pulliampalli tope reserve.	1900–1901.	20	20	..	20	5	
	Total, Palghat Range ..	..	18,409	18,406	..	18,406	770	
	Total, South Malabar (Special).	..	104,658	107,231	..	107,231	2,686	
The Nilgiris (Special).	Mudumalai teak plantation.	1883 ..	25	25	..	25	733	
	Benne teak plantation ..	1886 ..	40	40	..	40		
	Benne experimental block.	1893 ..	179	179	..	179		
	Tuckles of 1896 and 1899.	1899 ..	25	25	..	25		
	Marigudi block	1888 ..	2,781	2,781	475	2,306		
	Marigudi blocks Nos. IV and V.	1898 ..	2,686	2,686	..	2,686		
	Moyar reserved forest (east)	1886 ..	1,152	4,000	1,000	3,000	419	
	Northern hay sandalwood plantation,	1883 ..	22	22	..	22		
	Sandalwood tracts in Sigur reserved forest.	1899 ..	1,240	1,240	..	1,240		
	Chemmanguli	1883 ..	25	25	..	25	220	
	Aranakal	1883 ..	9	9	..	9		
	Governor's shola No. I ..	1883 ..	25	25	..	25		
	Do. No. II ..	1883 ..	30	30	..	30		
	Andi	1883 ..	17	17	..	17		
	Upatti	1883 ..	12	12	..	12		
	Sheffield	1883 ..	25	25	..	25		
	Culli	1883 ..	17	17	..	17		
	Chowghat Culli	1883 ..	26	26	..	26		
	Madana	1883 ..	8	8	..	8		
	Baikie	..	50	50	..	50		
	Arambi	..	430	430	..	430		
	Marlimund..	..	11	11	..	11		
	Cairn hill	..	405	405	..	405		
	Muthanad	1898 ..	80	80	..	80	441	
	Kallar reserve	1883 ..	919	919	..	919		
	Burliyar	1883 ..	178	178	..	178		
	Ghaut reserve	1883 ..	247	247	..	247		
	Coonoor peak	1883 ..	259	259	..	259		
	Bandishola	1883 ..	111	111	..	111		
	Sim's park block No. I ..	1883 ..	48	48	..	48		
	Blackbridge	1883 ..	40	40	..	40		
	Little Rallia	1883 ..	10	10	..	10		
	Newman	1883 ..	35	35	..	35		
	Rallia	1883 ..	60	60	..	60		
	Long wood addition ..	1885 ..	350	350	..	350		
	Kunjapanai sandalwood area.	1898 ..	640	640	..	640		
	Bleak house	1899 ..	57	57	..	57	..	
	Spring field	1899 ..	30	30	..	30	..	
	Sim's park, No. II. ..	1899 ..	36	36	..	36	..	
	Total (Special) ..	..	12,340	15,188	1,475	13,713	1,813	

* Includes 481 acres of teak plantation which were erroneously added to the area of the reserve.

† Three acres given to the Madras Railway Company. ‡ This is exclusive of charges for April, May and June 1902 incurred in South Coimbatore.

Area of Forest Tracts protected from Fire during 1901-1902—*cont.*

District.	Forest tracts.	Year in which protection commenced.	Area protected during the previous year.	During dry season of 1901-1902.			Cost during the season.	Remarks.
				Area attempted to be protected.	Fires.	Actually protected.		
1	2	3	4	5	6	7	8	9
The Nilgiris—*cont.*	*Southern Circle*—cont.		ACS.	ACS.	ACS.	ACS.	RS.	
(General)—	Ulnad	1883 ..	839	839	..	839	372	
	Mukurti	1888 ..	1,324	1,324	..	1,324		
	Kururmand	1883 ..	1,552	1,552	..	1,552		
	Kundahs	1885 ..	42,505	42,505	..	42,505		
	Pichelbetta	1886 ..	1,668	1,668	..	1,668		
	Kadkupa	1886 ..	1,622	1,622	..	1,622		
	Nanjanad	1893 ..	914	914	..	914		
	Karpakan	1886 ..	391	391	..	391		
	Vellingiri	1886 ..	643	643	..	643		
	Pykara	1893 ..	844	844	..	844		
	Yumuakal	1886 ..	465	465	..	465		
	Hiriashige	1887 ..	3,026	3,026	..	3,026		
	Thiashola	1885 ..	1,551	1,551	..	1,551		
	Muthinad	1883 ..	340	340	..	340		
	Bikkapatti	1894 ..	1,945	1,945	..	1,945		
	Naduvattam	1885 ..	3,411	3,411	..	3,411		
	Ouchterlony	1886 ..	973	973	..	973		
	Nilgiri Peak	..	5,962	5,962	..	5,962		
	Chinnacoonoor	1894 ..	14	14	..	14		
	Kengal	..	14	14	..	14		
	Kadanad	1895 ..	40	40	..	40		
	Huppatti	..	491	491	..	491		
	Kaguchi	..	475	475	..	475		
	Iduhatti	..	15	15	..	15		
	Bathri shola	1884 ..	34	34	..	34		
	Dodabetta	..	758	758	..	758		
	Jakuntha	..	373	373	..	373		
	Honnnathalai	..	320	320	..	320		
	Keraiyada	..	276	276	..	276		
	Kengadu	..	451	451	..	451		
	Brookland	..	177	177	..	177		
	Lovedale (east)	..	127	127	..	127		
	Benhope reserve	1885 ..	75	75	..	75		
	Black bridge	1883 ..	350	350	..	350		
	Devashola, north and south.	1883 ..	211	211	..	211		
	Total (General) ..	..	74,176	74,176	..	74,176	372	
	Total, The Nilgiris, Special and General.	..	86,516	89,364	1,475	87,889	2,185	
Coimbatore (North)—(Special).	Hassanur sandalwood compartment—Satyamangalam Range.	1895-96 ..	2,096	2,096	..	2,096	139	
	Bailur sandalwood compartment — Kollegal Range.	1895-96 ..	1,726	1,726	..	1,726	187	
	Udaiyárpálaiyam sandal wood compartment—Kollegal Range.	1895-96 ..	1,500	1,500	..	1,500	110	
	Jadathadi hulla sandalwood compartment—Kollegal Range.	1895-96 ..	176	176	..	176	56	
	Badagalli sandalwood compartment — Talamalai Range.	1896-97 ..	644	644	600	44	15	
	Talamalai sandalwood compartment — Talamalai Range.	1897-98 ..	582	582	..	582	43	
	Talamalai reserve ..	1901-1902.	..	51,200	1,550	49,650	553	
	Total, Coimbatore (North), (Special).	..	6,724	57,924	2,150	55,774	1,103	
Coimbatore (South) (Special)—Tunacadavu and Pollachi.	Tekadi leased forests and portion of Tunacadavu reserve No. I.	1882-83 ..	26,114	26,374	..	26,374	895	
Pollachi ..	Punachi reserve No. II ..	1888-89 ..	2,880	2,880	..	2,880	362	
Udamalpet ..	Dhali block ..	1883-84 ..	485	485	..	485	53	
Mettupalaiyam.	Singaratope Working Circle of Odanthorai block.	1891-92 ..	777	777	2	775	137	

Area of Forest Tracts protected from Fire during 1901–1902—*cont.*

District.	Forest tracts.	Year in which protection commenced.	Area protected during the previous year.	During dry season of 1901–1902.			Cost during the season.	Remarks.
				Area attempted to be protected.	Fires.	Actually protected.		
1	2	3	4	5	6	7	8	9
Coimbatore (South)—(Special)—*cont.*	*Southern Circle*—cont.		ACS.	ACS.	ACS.	ACS.	RS.	
Bolampatti	Sholakarai.	1883–84.	757	1,157	6	1,151	898	
	Thenkaradu. In Bolampatti block I.		293	393	..	393		
	Keerapatti. In Bolampatti block I.		2,160	2,260	25	2,235		
	Oratti .. In Bolampatti block I.		1,136	1,136	..	1,136		
	Kuchimalai. In Bolampatti block I.		1,545	1,545	100	1,445		
	Noyel .. In Bolampatti block II.		10,920	10,920	..	10,920		
	Velliyangiri. In Bolampatti block II.		5,217	5,240	4	5,236		
	Varadimudi. In Bolampatti block II.		7,960	7,960	22	7,938		
	Kanavarai .. In Bolampatti block III and portions of blocks II and IV.		13,865	13,880	139	13,741		
	Walayar reserve * ..	1873–74 ..	3,017	3,017	..	3,017		
	Total, Coimbatore (South), (Special).	..	77,126	78,024	298	77,726	2,345	
(General)								
Tunacadavu and Pollachi.	Tunacadavu reserve No. I	..	255,874	256,544	574	255,270	..	
Pollachi .. Udamalpet ..	Punachi reserve No. II.	..			..			
	Amravati ,, ,, III.	..			..			
Tunacadavu, Pollachi and Udamalpet.	Anamalai ,, ,, IV.	..			700			
Bolampatti.	Bolampatti ,, No. I	..			19			
	Do. ,, ,, II.	..			2			
	Do. ,, ,, III.	..			..			
Bolampatti and Méttupálaiyam.	Tadagam ,, ,, IV.	..			201			
Méttupálaiyam.	Gopanari ,, ,, V.	..	74,713	74,791	..	74,569	..	
	Kempampalayam reserve No. VI.	..			..			
	Nellithorai reserve No. VII.	..			..			
Bolampatti..	Small Sholakarai reserve No. X.	..			..			
	Sankararayapuram reserve	..			..			
Méttupálaiyam.	Odanthorai reserve No. VIII.	..	5,335	5,335	..	5,335	..	
	Modur reserve No. IX ..	..	5,805	5,805	..	5,805	..	
	Nellimalai reserve ..	..	1,882	1,882	..	1,882		
Udamalpet..	Elayamuthur reserve ..	..	762	762	..	762	..	
	Dhali reserve	..	145	145	..	145	..	
	Total, Coimbatore (South,) General.	..	344,516	345,264	1,496	343,768	..	
	Total, Coimbatore (South), Special and General.	..	421,642	423,288	1,794	421,494	2,345	
Madura. (Special)	Gundan shola plantation..	1886–87 ..	257	257	..	257	149	
	Poombarai Vilpatti Valley.	1884–85 ..	17,474	17,594	920	16,674	61	
	Aliyanuthu	1888–89 ..	4,352	4,352	550	3,802	28	
	Kudrayar	1886–87 ..	13,235	13,235	370	12,865	164	
	Kookal	1886–87 ..	11,725	11,725	..	11,725	20	
	Amburuvi	1886–87 ..	13,944	13,971	85	13,886	247	
	Shengalvarayar	1885–86 ..	7,098	7,098	104	6,994	84	
	Karungal Dhoni Medu ..	1885–86 ..	3,469	3,469	1,505	1,964	25	
	Pambar	1883–84 ..	4,700	4,741	882	3,859	153	
	Adukam	1885–86 ..	7,520	7,520	111	7,409	273	
	Perumal Malai ..	1886–87 ..	2,032	2,032	..	2,032	135	
	Alagar Hill	1882–83 ..	16,838	16,838	..	16,838	389	
	Total, Madura (Special)..	..	102,644	102,832	4,527	98,305	1,728 + 5 (*a*)	

* Not mentioned in last year's return.

(*a*) Cost of putting out fire in Cumbum valley east.

Area of Forest Tracts protected from Fire during 1901–1902—*cont.*

District.	Forest tracts.	Year in which protection commenced.	Area protected during the previous year.	During dry season of 1901–1902.			Cost during the season.	Remarks.
				Area attempted to be protected.	Fires.	Actually protected.		
1	2	3	4	5	6	7	8	9
Tinnevelly—(Special).	*Southern Circle*—cont.		ACS.	ACS.	ACS.	ACS.	RS.	
Srívilliputtúr.	Aiyanarkovil Working Circle.	1896–97 ..	1,158	1,349	463	886	109	
Srívilliputtúr.	Rangarkovil Working Circle.	1896–97 ..	648	648	..	648	56	
Srívilliputtúr.	Valaikulam Working Circle.	1896–97 ..	* 299	359	..	359	..	
Sankaranayinárkóyil.	Karupasamikoyil Working Circle.	1897–98 ..	* 623	937	17	920	77	
Tenkási ..	Kadayanallur Working Circle.	1897–98 ..	* 154	704	252	451	18	
Tenkási ..	Kuttalam Working Circle.	1896–97 ..	* 496	604	..	604	19	
Ambásamudram.	Koilteri do.	1896–97 ..	* 385	996	685	311	38	
Ambásamudram.	Padarmalai do.	1896–97 ..	* 270	810	..	810	29	
Ambásamudram.	Panimanuduku do.	1896–97 ..	278	278	..	279	34	
Ambásamudram.	Sivasailam do.	1896–97 ..	344	344	..	*344	..	
Nángunéri ..	Kalakad do.	1896–97 ..	* 795	969	..	969	24	
Nángunéri ..	Tirukurungudi do.	1896–97 ..	* 87	208	..	208	96	
	Total, Special ..	..	5,537	8,206	1,417	6,789	500	
(General)—								
Srívilliputtúr.	Ghaut forests V and V (*a*).	..	40,343	40,973	557	40,416	133	
Sankaranayinárkóyil.	Do. IV and IV(*a*).	..	27,023	25,397	750	24,647	33	
Tenkási ..	Ghaut forests III, III (*a*) (*b*), (c_2), (*d*), extension Nos. 1 to 3, Kurtalam reserve.	..	26,911	25,258	895	24,363	113	
Ambásamudram.	Ghaut forests II and II (*b*)	..	88,518	88,175	1,084	87,091	49	
Nángunéri ..	Terkudesanavallur II (*a*) Ghaut forests I and I (*a*) Teak track Mahendragiri and Vannamutti.	..	51,914	54,537	2,940	51,597	243	
	Total, General ..	..	234,709	234,340	6,226	228,114	571	
	Total, Tinnevelly Special and General.	..	240,246	242,546	7,643	234,903	1,071 +1,228(*a*)	
	Total, Southern Circle—							
	(Special)	..	363,209	476,698	11,173	465,525	12,088	
	(General)	..	739,425	740,120	7,852	732,268	2,396	
	Grand Total, Southern Circle.	..	1,102,634	1,216,818	19,025	1,197,793	14,484	
	Total, Presidency—							
	(Special)	..	1,302,790	1,537,635	53,155	1,484,480	26,186	
	(General)	..	1,952,532	2,014,201	75,930	1,938,271	11,952	
	Grand Total, Presidency.	..	3,255,322	3,551,836	129,085	3,422,751	38,138	

* Revised figures.

(*a*) Added as per Accountant-General's audited figures.

ANNUAL FORM No. 52.

Forest Department, Madras Presidency.

AREA closed and open to grazing during 1901–1902.

District.	Area in square miles.						
	Closed to all animals.		Closed to both goats and sheep.		Area closed to goats only.	Open to all animals.	Total forest area as per Form No. 44.
	Whole year.	Part of year.	Whole year.	Part of year.		Whole year.	
1	2	3	4	5	6	7	8
Northern Circle.	SQ. MLS.	SQ. MLS.	SQ. MLS.		SQ. MLS.	SQ. MLS.	SQ. MLS.
Ganjám	78	..	..	..	538	..	536 2
Vizagapatam	5	..	245 99	..	..	..	245 99
Gódávari	7	76	212	..	736 76	3 ..	951 76
Kistna	223	..	..	..	727 65	193 74	920 139
Kurnool	104	..	..	..	2,213 306	53 101	2,296 407
Bellary	29	..	..	..	540	96	561 75
Anantapur	29	..	29	..	..	480 1	508 2
Total, Northern Circle ..	475	76	585	..	5,201	1,031	6,017 800
Central Circle.							
Cuddapah	13	..	..	..	2,320	69	2,191 198
Nellore	153	..	..	..	670 38	53	723 38
Chingleput	43	..	..	..	179	35	214
North Arcot	140	123	..	..	1,265 29	1	1,266 29
South Arcot	16	..	..	..	661 3	..	661 3
Salem	95	..	..	..	1,567	83	1,470 180
Trichinopoly	12	29	..	..	269 47	..	269 47
Tanjore	2	..	..	..	19	..	19
Total, Central Circle ..	474	152	..	..	7,067	241	6,813 495
Southern Circle.							
South Canara	15 1	..	..	..	662 413	..	662 413
Malabar, North	28	..	..	..	231 4	..	231 4
Do. South	(a) 212	..	212	..	..	54	218 48
The Nilgiris	6 10	6 ..	..	..	401 97	..	401 97
Coimbatore, North	80	194	..	..	1,639	10	1,109 540
Do. South	22	..	..	..	662	..	662
Madura	109	..	..	..	562	58	610 10
Tinnevelly	295	64	..	..	431 5	..	431 5
Total, Southern Circle ..	778	264	212	..	5,107	122	4,324 1,117
Grand Total, Presidency ..	1,727	492	797	..	17,375	1,394	17,154 2,412
1900–1901 ..	1,637	279	604	8	17,303	1,626	19,541

N.B.—The totals of columns 4, 6 and 7 equal column 8. The figures in columns 6 and 4 include the figures in columns 2 and 3. Of the figures in brackets the upper one denotes the area of reserved forests and the lower one the area of reserved lands.

(*a*) The area of Walayar reserve (5 square miles) has been excluded as the same has been transferred to the Coimbatore district.

FORM No. 53.

RETURN of Grazing in the State Forests of the Madras Presidency during 1901–02.

FORM

RETURN of Grazing in the State Forests of the

(a) *Reserved forests notified under*

Districts.	Grazing on payment. Number of animals.									
	At enhanced rates.					At full rates.				
	Buffaloes.	Cows and bullocks.	Goats and sheep.	Other animals.	Fees received.	Buffaloes.	Cows and bullocks.	Goats and sheep.	Other animals.	Fees received.
Northern Circle.					RS.					RS.
Ganjám	..	..	..	..	..	8,981	34,650	151	..	(*a*) 9,880
Vizagapatam	101	2,799	..	..	749	1,038	16,549	..	..	3,492
Gódávari	(*b*) 360 (*c*) 10,286	(*b*) 419 (*c*) 24,340	(*b*) 1,477 (*c* and *d*) 2,642	..	704 11,476	..	..	..	..	..
Kistna	(*f*) 1,449 (*g*) 2,226 (*h*) 853	(*f*) 5,131 (*g*) 15,746 (*h*) 19,757	(*f* and *d*) 4,306 (*f*) 833 .. (*h* and *d*) 10,273 5,167	..	2,649 9,952 10,958	20,789	49,051	(*d*) 180,361 78,636	116	41,202
Kurnool	(*i*) 1,974	(*i*) 55,738	(*i*) 5,991	..	15,670	..	..	..	..	..
Bellary	..	..	..	..	..	11,960	49,543	884,658	..	40,461
Anantapur	..	..	..	..	..	2,925	49,382	174,386	20	26,708
Total, Northern Circle	17,249	123,930	30,689	..	52,158	45,693	199,175	1,318,192	136	1,21,743
Central Circle.										
Cuddapah	..	..	..	..	..	3,462	108,615	(*d*) 131,505 19,937	..	35,852
Nellore	..	..	..	..	..	9,859	64,702	219,465	..	36,404 (*k*) 293 (*l*) 67 (*m*) 611
Chingleput	..	..	..	..	..	2,534	29,073	62,185	..	12,231
North Arcot	..	..	..	..	..	(*n*) 138 (*p*) 2,319	(*n*) 9,089 (*p*) 81,352	(*n*) 12,458 (*p*) 54,900	..	(*o*) 2,935 10,635
South Arcot (*r*)	8	18,401	(*d*) 470	..	4,780	3,715	106,142	(*d*) 136,440	..	34,086
Salem	..	..	..	..	..	7,473	217,835	76,477	..	57,832
Trichinopoly	..	..	..	..	..	387	17,060	62,746	..	9,226
Tanjore	..	..	..	..	..	441	2,620	(*d*) 4,198 1,263	(*t*) 12	1,171
Total, Central Circle	8	18,401	(*d*) 470	..	4,780	30,328	636,488	781,574	12	2,01,343
Southern Circle.										
South Canara	..	..	..	..	..	1,945	14,687	..	..	3,483
North Malabar	..	..	..	..	..	2,406	5,386	..	..	2,021
South Malabar	..	..	..	..	..	..	33	22	..	(*u*) 85
The Nilgiris	..	..	..	..	..	10,517	20,035	553	26	8,316
North Coimbatore (*w*)	3,250	75,751	24,424	12	23,619	145	3,698	10,753	1	1,756
South Coimbatore	..	..	..	..	..	500	36,604	4,675	129	7,513
Madura (*x*)	(*x*) 206	44,028	(*d*) 19,682 20,035	182	19,636	..	..	..	..	..
Tinnevelly	..	..	..	..	..	385	12,968	19,276	..	4,356
Total, Southern Circle	3,456	119,779	64,141	194	43,255	15,898	93,411	35,279	156	27,530
Grand Total, Reserved Forest, Presidency	20,713	262,110	95,300	194	100,193	91,919	929,074	2,135,045	304	3,50,616

N.B.—Full rates are the ordinary sanctioned

(*a*) A sum of Re. 1 was collected in excess. (*b*) The enhanced rates are As. 12 per buffaloe, As. 6 per bullock or cow and As. 3

(*d*) Sheep. (*e*) Includes Rs. 1,057 being sale-proceeds of fodder. (*f*) Full rates, viz., As. 8 per

(*g*) Special and enhanced rates in special tracts were levied. A fee of As. 12 each was collected from 1,912 buffaloes and As. 8 on

(*h*) Double rates, viz., As. 12 per buffaloe, As. 6 per bull or cow, As. 3 per sheep and As. 3 per goat.

permits at one-fourth rates are being issued. (*j*) The distinction of reserved forests and lands was not made in the

(*m*) Miscellaneous revenue from grazing. (*n*) Full rates were collected from 1st July 1901 to 31st December 1901.

(*q*) Some animals have been grazed in 470 acres thrown open to all animals in Chittoor range as per Board's Proceedings, Forest

cattle. It includes 1,409 and 835 cows and 470 sheep at As. 5–4, As. 4 and As. 2, respectively, allowed for grazing in more than one

(*t*) Horses. (*u*) Includes Rs. 77 realized by sale of grass. (*v*) Daily rates for the cattle of the Mysore Nomadic tribes

(*x*) The enhanced rates of As. 8, 4 and 2 were levied for buffaloes, cows and sheep, respectively; while for goats 4-annas rates

No. 53.

Madras Presidency during 1901–1902.

section 16 *of the Forest Act.*

Grazing free. Number of animals.																	
At privileged rates.						By right under settlement.					During pleasure of Government or otherwise than under settlement.						Grand total of value at full and enhanced rates.
Buffaloes.	Cows and bullocks.	Goats and sheep.	Other animals.	Fees received. Actual.	Fees received. Value at full rates.	Buffaloes.	Cows and bullocks.	Goats and sheep.	Other animals.	Value of fees at full rates.	Buffaloes.	Cows and bullocks.	Goats and sheep.	Other animals.	Value of fees at full rates.	Total value of fees at full rates for animals grazed free.	
				Rs.	Rs.					Rs.					Rs.	Rs.	Rs.
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	9,880
..	..	..	..	..	..	..	200	..	..	38	..	130	..	..	24	62	4,303
6,209	38,699	6,486	..	6,331 (e)	13,391	..	..	..	..	..	1,501	6,594	..	..	2,399	2,399	27,970
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	64,761
..	..	..	..	..	..	..	2,360	5,185	..	928	..	..	..	..	..	928	16,598
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	40,461
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	26,708
6,209	38,699	6,486	..	6,331	13,391	..	2,560	5,185	..	966	1,501	6,724	..	..	2,423	3,389	1,90,681
..	1,269	3,510	..	346	567	..	1,900	..	..	356	..	..	..	..	..	356	36,775
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	37,375
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	12,231
..	..	..	..	..	..	..	..	..	..	..	2,056	9,973	(q)250	..	2,665	2,665	16,235
..	..	..	..	..	..	..	..	..	..	..	(s)1,491	4,496	(d)373	..	1,437	1,437	40,303
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	57,832
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	9,226
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1,171
..	1,269	3,510	..	346	567	..	1,900	..	..	356	3,547	14,469	623	..	4,102	4,458	2,11,148
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	3,483
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2,021
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	85
..	(v)2,514	..	..	43	471	..	..	..	..	..	..	..	..	..	..	..	8,787
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	25,375
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	7,513
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	19,636
..	..	..	..	..	..	..	..	..	..	..	..	169	..	..	32	32	4,388
..	2,514	..	..	43	471	..	..	..	..	..	..	169	..	..	32	32	71,288
6,209	42,482	9,996	..	6,720	14,429	..	4,460	5,185	..	1,322	5,048	21,362	623	..	6,557	7,879	4,73,117

maxima, viz., As. 6 per buffaloe, &c.
per goat. (c) The rates in this case are As. 8 per buffaloe, As. 4 per bullock or cow, As. 2 per goat and As. 1–6 per sheep.
buffaloe, As. 4 per bull or cow, and As. 2 per goat or sheep were levied.
314 buffaloes and As. 8 on 14,771 bulls. Besides Rs. 975 was collected on 975 plough bullocks at Re. 1 per head.
(i) Enhanced rates for grazing inside "Sim's line" are Rs. 2, Re. 1 and As. 8 per buffaloe, cow and sheep respectively but quarterly issue of licenses for grazing. (k) Kancha rent. (l) Revenue derived from head-loads of grass.
(o) Includes excess collection of Rs. 11 and odd. (p) Half rates from 1st January 1902 to 30th June 1902.
No. 313, dated 3rd October 1901. (r) The enhanced rate of As. 8 per buffaloe and As. 4 per cow were levied on foreign reserve. (s) Cattle admitted free in the Tenmalai block in the Tiruvannámalai range for the Malayalis on the hills.
at As. 3 per 100 per diem. (w) The enhanced rates are As. 8 per buffaloe and As. 4 per bull or cow and As. 2 per goat or sheep.
sanctioned by Government were levied.

FORM

Return of Grazing in the State Reserved lands of the

Districts.	Grazing on payment. Number of animals.									
	At enhanced rates.					At full rates.				
	Buffaloes.	Cows and bullocks.	Goats and sheep.	Other animals.	Fees received.	Buffaloes.	Cows and bullocks.	Goats and sheep.	Other animals.	Fees received.
Northern Circle.					RS.					RS.
Gódávari	(a) 146	193	..	..	121	..	..	..	..	..
Kurnool	..	..	..	..	..	7,405	63,463	1,77,937	..	31,358
Bellary	(d) ..	..	..	..	..	251	2,201	10,302	..	1,472
Total, Northern Circle ..	146	193	..	..	121	7,656	65,664	1,88,239	..	32,830
Central Circle.										
Nellore	..	..	..	..	..	998	2,169	2,722	..	1,036
South Arcot	..	..	..	..	..	53	996	(e) 573	..	260
Trichinopoly	..	..	..	..	..	101	5,727	22,870	..	3,256
Total, Central Circle ..	..	..	..	..	..	1,152	8,892	26,165	..	4,552
Southern Circle.										
South Canara	..	..	..	..	..	267	2,092	..	..	492
The Nilgiris	..	..	..	..	..	..	272	..	..	136
North Coimbatore	(g) 588	(g) 31,308	(g) 534	..	8,188	..	..	..	..	..
Tinnevelly	..	..	..	..	..	2	251	633	..	107
Total, Southern Circle ..	588	31,308	534	..	8,188	269	2,615	633	..	735
Grand Total, Presidency ..	734	31,501	534	..	8,309	9,077	77,171	2,15,037	..	38,117

(a) The enhanced rates referred to are As. 12 per buffaloe, As. 6 per bull or cow and As. 3 per goat.
(b) Annas 4 per buffaloe, As. 2 per bull or cow and As. 1-6 per goat in the main division except delta; As. 2 per buffaloe, Anna 1 per bullock or cow and pies 6 per sheep or goat in the sub-division; As. 6 per buffaloe, As. 3 per bullock or cow in the delta; and Anna 1 per head on local cattle.
(c) Includes Rs. 81, being amount of grazing lease. (d) Includes leased forest. (e) Sheep.
(f) Daily rate for the cattle of the Mysore Nomadic tribes at As. 3 per 100 per diem.
(g) The enhanced rates are As. 8 per buffaloe, As. 4 per bull or cow and As. 2 per sheep or goat.

No. 53—*cont.*

Madras Presidency during 1901–1902—*cont.*

Grazing free. Number of animals.																	Grand total of value at full and enhanced rates.
At privileged rates.						By right under settlement.					During pleasure of Government or otherwise than under settlement.						
Buffaloes.	Cows and bullocks.	Goats and sheep.	Other animals.	Fees received. Actual.	Fees received. Value at full rates.	Buffaloes.	Cows and bullocks.	Goats and sheep.	Other animals.	Value of fees at full rates.	Buffaloes.	Cows and bullocks.	Goats and sheep.	Other animals.	Value of fees at full rates.	Total value of fees at full rates.	
				Rs.	Rs.					Rs.					Rs.	Rs.	Rs.
(*b*) 4,350	(*b*) 11,993	..	..	(*c*) 2,666	5,174	..	..	..	..	..	..	..	..	..	..	..	5,295
..	..	..	..	..	..	..	125	320	..	53	..	..	..	..	..	53	31,411
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1,472
4,350	11,993	..	..	2,666	5,174	..	125	320	..	53	..	..	..	..	..	53	38,178
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1,036
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	260
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	3,256
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	4,552
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	492
..	..	..	..	..	..	(*f*) 1,794	..	..	..	673	..	..	..	..	..	..	809
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	8,188
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	107
..	..	..	..	..	..	1,794	..	..	..	673	..	..	..	..	..	673	9,596
4,350	11,993	..	..	2,666	5,174	1,794	125	320	..	726	..	..	..	..	..	726	52,326

ANNUAL FORM No. 54.

Forest Department, Madras Presidency.

AREA of Plantations, Cultural Operations and Topes, 1900–1901.

	District.	Number of plantations and topes.	Area in acres. On 1st July 1901.	Added during the year.	Excluded during the year.	Area on 30th June 1902.	Receipts. Of the year.	Charges Of the year.
1		2	3	4	5	6	7	8
	A. Regular Plantations.						RS.	RS.
Northern Circle.	Ganjám	1	348	..	..	348	6	116
	Gódávari	3	(*a*) 348	91	..	439	1,754	5,067
	Kistna	(*b*) 17	(*b*) 1,972	55	42	1,985	1,662	2,028
	Total, Northern Circle ..	21	2,668	146	42	2,772	3,422	7,211
Central Circle.	Cuddapah	8	2,100	..	..	2,100	80	478
	Nellore	11	(*c*) 5,759	..	..	5,759	42,107	16,488 (*d*)–5,505
	Chingleput	1	102	20	..	122	132	68 (*d*)+ 97
	North Arcot	7	1,175	..	..	1,175	4,716	720
	South Arcot	11	5,171	..	..	5,171	8,104	2,104
	Tanjore	4	539	..	..	539	3,676	749 (*d*)— 29
	Total, Central Circle ..	42	14,846	20	..	14,866	58,815	15,170
Southern Circle.	South Canara	2	122	..	..	122	1,012	120
	North Malabar	..	325	77	..	402	30	1,453
	South Malabar	22	4,925	123	7	5,041	12,389	9,499
	The Nilgiris	22	1,645	..	..	1,645	18,263	(*e*) ..
	South Coimbatore	8	30	..	..	30	..	184
	Madura	5	275	..	..	275	..	394
	Tinnevelly	..	..	..	..	..	..	..
	Total, Southern Circle ..	59	7,322	200	7	7,515	31,694	11,650
	Grand Total, Regular Plantations, Presidency.	122	24,836	366	49	25,153	93,931	34,031
	B. Cultural Operations.							
Northern Circle.	Ganjám	..	302	..	..	302	15	112
	Kistna	..	35	..	..	35	24	303 — (*d*) 18
	Kurnool	..	..	..	..	..	..	99
	Bellary	..	163	10	..	173	..	1,808
	Anantapur	..	56	100	50	106	..	(*f*) 423
	Total, Northern Circle ..	..	556	110	50	616	39	2,727
Central Circle (*g*).	Cuddapah	..	597	..	..	597	26	216
	Nellore	..	472	393	..	865	..	..
	Chingleput	..	3	20	..	23	..	..
	North Arcot	..	900	..	315	585	..	181
	Trichinopoly	..	MLS. 91 ACS. 24	..	..	MLS. 91 ACS. 24	757	..
	Tanjore	..	1,161	..	..	1,161	230	2
	Total, Central Circle ..	..	3,157 MLS. 91	413	315	3,255 MLS. 91	1,013	399

(*a*) Reported by Collector to be correct area.

(*b*) Allinagaram area, 56 acres, felled in previous years is reported to have been wrongly included in the last year's return. Hence omitted in the present return.

(*c*) The difference between the closing balance of the previous year and the opening balance of the year under report is due to the fact of the correct area having been ascertained during the year under report.

(*d*) Added or deducted as per Accountant-General's audited figures.

(*e*) A sum of Rs. 13,514 is reported to have spent besides the charges incurred under A VIII-(*e*).

(*f*) Includes Rs. 114 being establishment charges.

(*g*) In South Arcot the area under cultural operation was shown as 6 acres in the previous year's return. A "*nil*" return is now submitted and no explanation is offered as regards the discrepancy.

Area of Plantations, Cultural Operations and Topes, 1901–1902—*cont.*

District.	Number of plantations and topes.	Area in acres. On 1st July 1901.	Added during the year.	Excluded during the year.	Area on 30th June 1902.	Receipts. Of the year.	Charges. Of the year.
1	2	3	4	5	6	7	8
B. Cultural Operations—cont.							
						RS.	RS.
Southern Circle. The Nilgiris	..	488	..	..	488	..	1,742
Southern Circle. South Coimbatore	..	37	18	37	18	..	..
Southern Circle. Tinnevelly	..	5,608	..	..	5,608	..	273
Total, Southern Circle ..	..	6,133	18	37	6,114	..	2,015
Grand Total, Cultural Operations, Presidency.	..	9,846 MLS. 91	541	402	9,985 MLS. 91	1,052	5,141
C. Topes.							
Northern Circle. Ganjám	7	101	..	..	101	17	(a) + 56
Northern Circle. Vizagapatam	2	78	..	..	78	..	(a) +364
Northern Circle. Kistna	14	136	..	..	136	39	79
Northern Circle. Kurnool	28	206	..	7	199	103	30
Northern Circle. Bellary	30	212	..	..	212	..	72
Northern Circle. Anantapur	905	2,885	..	..	2,885	..	..
Total, Northern Circle ..	986	3,618	..	7	3,611	159	601
Central Circle. Cuddapah	24	3,391	..	13	3,378	654	387 (a) —530
Central Circle. Nellore	112	1,776	..	..	1,776	..	..
Central Circle. Chingleput	17	227	..	..	227	305	(b) 413
Central Circle. North Arcot	50	968 (c) 498	..	12	956 498	277 461	680
Central Circle. South Arcot	62	434	..	..	434	17	..
Central Circle. Salem	126	1,598	..	8	1,590	1,067	23 (a) +35
Central Circle. Trichinopoly	19	573	..	..	573	806	188 (a)+754
Total, Central Circle ..	410	9,465	..	33	9,432	3,587	2,450
Southern Circle. North Malabar	..	56	..	..	56	255	75 (a)+932
Southern Circle. South do.	1	20	..	..	20	..	..
Southern Circle. North Coimbatore	(d) 3	209	..	..	209	..	(d) +113
Southern Circle. South do.	1	67	..	67	..	..	..
Southern Circle. Tinnevelly	9	84	..	40	44	9	116 (a) —52
Total, Southern Circle ..	14	436	..	107	329	264	1,184
Grand Total, Topes, Presidency ..	1,410	13,519	..	147	13,372	4,010	4,235
Northern Circle, Regular Plantations, Cultural operations and Topes ..	1,007	6,842	256	99	6,999	3,620	(e) 10,986
Central Circle, Regular Plantations, Cultural operations and Topes ..	452	27,462 MLS. 91	433	348	27,553 MLS. 91	63,415	18,019
Southern Circle, Regular Plantations, Cultural operations and Topes ..	73	13,891	218	151	13,958	31,958	(f) 14,872
Grand Total, Presidency	1,532	48,201 MLS. 91	907	598	48,510 MLS. 91	98,993	43,877

(a) Added or deducted as per Accountant-General's audited figures.
(b) Pay of gardeners.
(c) Re-transferred from the Revenue Department.
(d) The area of one of these is not stated.
(e) Includes Rs. 447 spent under Northern Circle Direction A-VIII (e).
(f) Includes Rs. 23 spent under Southern Circle Direction A-VIII (e).

Form No. 55.

Forest Department, Madras Presidency.

Outturn (in cubic feet, solid) of Timber and Fuel during the year 1901–1902, and Agency of Exploitation.

District.	Timber.					Fuel.					Total.	Bamboos.				
	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Outturn.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
Northern Circle.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	NO.	NO.	NO.	NO.	NO.
Ganjám.																
Reserved forests—																
Sal	5,367	89,245	..	..	94,612	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous	17,421	76,825	500	..	94,746	..	..	..	..	..	..	..	..	..	..	..
Total ..	22,788	166,070	500	..	189,358	835	644,722	..	..	645,557	834,915	..	1,723,955	49,000	..	1,772,955
Reserved lands—																
Sal	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total ..	..	..	..	..	..	..	..	..	..	..	..	..	1,500	..	..	1,500
Unreserved lands—																
Sal	4,798	6,553	..	..	11,351	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous	47,907	141,606	9,940	..	199,453	..	..	..	..	..	..	..	..	..	..	..
Total ..	52,705	148,159	9,940	..	210,804	..	44,361	..	..	44,361	255,165	..	16,300	..	..	16,300
Grand Total ..	75,493	314,229	10,440	..	400,162	835	689,083	..	..	689,918	1,090,080	..	1,741,755	49,000	..	1,790,755
Vizagapatam.																
Reserved forests—																
Miscellaneous	162	47,137	..	..	47,299	99,585	159,664	..	..	259,249	306,548	580	762,730	..	..	763,310
Reserved lands—																
Miscellaneous	60	8,186	80	..	8,326	..	87,897	..	..	87,897	96,223	200	69,930	600	..	70,730
Unreserved lands—																
Miscellaneous	..	14,710	..	..	14,710	..	23,001	..	..	23,001	37,711	..	2,730	..	..	2,730
Grand Total ..	222	70,033	80	..	70,335	99,585	270,562	..	..	370,147	440,482	780	835,390	600	..	836,770

Outturn (in cubic feet, solid) of Timber and Fuel during the year 1901–1902, and Agency of Exploitation—*cont.*

District.	Timber.					Fuel.					Total.	Bamboos.				
	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Outturn.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
NORTHERN CIRCLE—*cont.*	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	NO.	NO.	NO.	NO.	NO.
Gódávari.																
Reserved forests—																
Teak	..	199	200	..	399	..	..	..	..	..	..	..	..	..	..	..
Ironwood	224	1,077	..	..	1,301	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous	410	44,222	1,152	..	45,784	..	..	..	..	..	..	..	..	..	..	..
Total ..	634	45,498	1,352	..	47,484	83,615	362,884	925	..	447,424	494,908	..	6,422,736	6,400	..	6,429,136
Unreserved lands—																
Teak	..	21,340	53	..	21,393	..	..	..	..	..	..	..	..	..	..	..
Ironwood	27	13	..	..	40	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous	33	262,223	3,277	..	265,533	..	..	..	..	..	..	..	..	..	..	..
Total ..	60	283,576	3,330	..	286,966	1,242	368,935	..	..	370,177	657,143	..	5,981,982	..	..	5,981,982
Grand Total ..	694	329,074	4,682	..	334,450	84,857	731,819	925	..	817,601	1,152,051	..	12,404,718	6,400	..	12,411,118
Kistna.																
Reserved forests—																
Miscellaneous	1,762	90,257	30	..	92,049	149,596	384,572	..	..	534,168	626,217	500	220,529	..	..	221,029
Reserved lands—																
Miscellaneous	..	378	..	..	378	..	9,417	..	..	9,417	9,795	..	..	..	..	..
Unreserved lands—																
Miscellaneous	900	151,569	1,150	..	153,619	..	6,891	..	..	6,891	160,510	..	17	..	..	17
Grand Total ..	2,662	242,204	1,180	..	246,046	149,596	400,880	..	..	550,476	796,522	500	220,546	..	..	221,046
Kurnool.																
Reserved forests—																
Teak	60	..	..	..	60	..	..	..	..	..	..	..	..	..	..	..
Vengai	3,243	..	..	..	3,243	..	..	..	..	..	..	..	..	..	..	..
Terminalia tomentosa ..	5,413	..	..	..	5,413	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous	1,494	148,529	1,620	1,311	152,954	..	..	..	..	..	..	..	..	..	..	..
Total ..	10,210	148,529	1,620	1,311	161,670	619,106	392,114	..	257,510	1,268,730	1,430,400	..	4,432,426	6,125	20,489	4,459,040

Outturn (in cubic feet, solid) of Timber and Fuel during the year 1901–1902, and Agency of Exploitation—*cont.*

District.	Timber.					Fuel.					Total.	Bamboos.				
	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Outturn.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
NORTHERN CIRCLE—*cont.*	C. FT.	C. FT.	C. FT.	C. FT	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	NO.	NO.	NO.	NO.	NO.
Kurnool—cont.																
Reserved lands—																
Miscellaneous	..	26,428	180	..	26,608	..	201,538	..	..	201,538	228,146	..	66,874	1,500	..	68,374
Unreserved lands—																
Miscellaneous	..	15,272	..	..	15,272	..	36,187	..	..	36,187	51,459	..	..	..	..	..
Grand Total ..	10,210	190,229	1,800	1,311	203,550	619,106	629,839	..	257,510	1,506,455	1,710,005	..	4,499,300	7,625	20,489	4,527,414
Bellary.																
Reserved forests—																
Miscellaneous	..	2,032	..	..	2,032	..	..	..	..	..	..	..	..	..	..	..
Total ..	..	2,032	..	..	2,032	3,821	96,646	..	..	100,467	102,499	..	1,500	..	..	1,500
Reserved lands—																
Teak	1,676	..	..	..	1,676	..	..	..	..	..	..	..	..	..	..	..
Sandalwood	240	..	..	..	240	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous	60,486	3,516	..	..	64,002	..	..	..	..	..	..	..	..	..	..	..
Total ..	62,402	3,516	..	..	65,918	144,739	65,110	..	..	209,849	275,767	430	93,908	..	..	94,338
Unreserved lands—																
Miscellaneous	..	184,942	2,352	..	187,294	..	102,498	..	..	102,498	289,792	..	..	..	..	..
Grand Total ..	62,402	190,490	2,352	..	255,244	148,560	264,254	..	..	412,814	668,058	430	95,408	..	..	95,838
Anantapur.																
Reserved forests—																
Miscellaneous	..	45,785	870	..	46,655	..	170,594	..	..	170,594	217,249	..	14,485	..	..	14,485
CENTRAL CIRCLE.																
Cuddapah.																
Reserved forests—																
Redwood	19,604	..	..	..	19,604	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous	1,152	92,857	4,650	..	98,659	..	..	..	..	..	..	..	..	..	..	..
Total ..	20,756	92,857	4,650	..	118,263	63,171	394,916	..	..	458,087	576,350	..	1,301,650	22,100	..	1,323,750

Outturn (in cubic feet, solid) of Timber and Fuel during the year 1901-1902, and Agency of Exploitation—*cont.*

District.	Timber.					Fuel.					Total.	Bamboos.				
	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Outturn.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
CENTRAL CIRCLE—*cont.*	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	NO.	NO.	NO.	NO.	NO.
Cuddapah—cont.																
Unreserved lands—																
Miscellaneous	..	87,907	500	..	88,407	..	154,728	..	..	154,728	243,135	..	220	..	..	220
Grand Total ..	20,756	180,764	5,150	..	206,670	63,171	549,644	..	..	612,815	819,485	..	1,301,870	22,100	..	1,323,970
Nellore.																
Reserved forests—																
Miscellaneous	758	12,840	4,880	..	18,478	258,592	30,553	..	..	289,145	307,623	..	45,400	..	..	45,400
Unreserved lands—																
Miscellaneous	..	43,108	1,160	..	44,268	..	39,693	..	..	39,693	83,961	..	..	..	..	..
Grand Total ..	758	55,948	6,040	..	62,746	258,592	70,246	..	..	328,838	391,584	..	45,400	..	..	45,400
Chingleput.																
Reserved forests—																
Miscellaneous	..	..	..	..	..	16,854	76,212	..	..	93,066	93,066	..	1,364	..	..	1,364
Unreserved lands—																
Miscellaneous	..	34,152	2,560	..	36,712	52,183	13,760	..	..	65,943	102,655	..	1,240	..	..	1,240
Grand Total ..	..	34,152	2,560	..	36,712	69,037	89,972	..	..	159,009	195,721	..	2,604	..	..	2,604
North Arcot.																
Reserved forests—																
Sandalwood	291	..	..	..	291	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous	5,438	4,280	13,110	..	22,828	..	..	..	..	..	..	..	..	..	..	..
Total ..	5,729	4,280	13,110	..	23,119	7,058	206,253	344,879	..	558,190	581,309	..	4,439,500	323,375	..	4,762,875
Reserved lands—																
Miscellaneous	..	..	..	..	..	..	2,464	..	..	2,464	2,464	..	..	..	..	..
Unreserved lands—																
Miscellaneous	..	25,670	1,280	..	26,950	..	183,600	..	..	183,600	210,550	..	..	..	..	..
Grand Total ..	5,729	29,950	14,390	..	50,069	7,058	392,317	344,879	..	744,254	794,323	..	39,500	323,375	..	4,762,875

Outturn (in cubic feet, solid) of Timber and Fuel during the year 1901-1902, and Agency of Exploitation—*cont.*

District.	Timber.					Fuel.					Total.	Bamboos.				
	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Outturn.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
CENTRAL CIRCLE—*cont.*	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	NO.	NO.	NO.	NO.	NO.
South Arcot.																
Reserved forests—																
Sandalwood	2	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous	1,088	10,218	..	..	11,306	..	..	..	..	..	..	..	..	..	..	..
Total ..	1,090	10,218	..	..	11,308	4,862	244,766	400	..	250,028	261,336	85	1,076,267	..	..	1,076,052
Reserved lands—																
Miscellaneous	..	32	..	..	32	..	824	..	..	824	856	..	..	..	..	..
Unreserved lands—																
Miscellaneous	..	3,587	215	..	3,802	3	339,682	..	..	339,685	343,487	..	..	..	..	..
Grand Total ..	1,090	13,837	215	..	15,142	4,865	585,272	400	..	590,537	605,679	85	1,076,267	..	..	1,076,352
Salem.																
Unreserved lands—																
Sandalwood	675	..	..	..	675	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous	3,893	441,809	630	..	446,332	..	..	..	..	..	..	..	..	..	..	..
Total ..	4,568	441,809	630	..	447,007	1,571,910	339,974	..	..	1,911,884	2,358,891	2,238	5,298,225	..	..	5,300,463
Trichinopoly.																
Reserved forests—																
Miscellaneous	1,987	19,660	..	..	21,647	182,082	86,572	..	..	268,654	290,301	..	229,748	..	..	229,748
Reserved lands—																
Miscellaneous	..	520	..	..	520	..	1,578	..	..	1,578	2,098	..	11,567	..	..	11,567
Unreserved lands—																
Miscellaneous	..	2,383	1,398	..	3,781	..	1,865,591	..	..	1,865,591	1,869,372	..	7,386	250	..	7,636
Grand Total ..	1,987	22,563	1,398	..	25,948	182,082	1,953,741	..	..	2,135,823	2,161,771	..	248,701	250	..	248,951

Outturn (in cubic feet, solid) of Timber and Fuel during the year 1901–1902, and Agency of Exploitation—*cont.*

District.	Timber.					Fuel.					Total.	Bamboos.				
	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Outturn.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
CENTRAL CIRCLE—*cont.*	C. FT.	C. FT.	C. FT.	C. FT.	C. F. T.	C. FT.	C. FT.	C. FT.	C. FT.	C FT.	C. FT.	NO.	NO.	NO.	NO.	NO.
Tanjore.																
Reserved forests—																
Miscellaneous	8,850	12,886	..	..	21,736	..	100,086	..	..	100,086	121,822	..	..	..	..	..
Unreserved lands—																
Miscellaneous	..	40	..	..	40	48,880	267,906	..	..	316,786	316,826	..	2,982	..	..	2,982
Grand Total ..	8,850	12,926	..	..	21,776	48,880	367,992	..	..	416,872	438,648	..	2,982	..	..	2,982
SOUTHERN CIRCLE.																
South Canara.																
Reserved forests—																
Teak	157	102	..	..	259	..	..	..	..	..		..	..			..
Rosewood	27	76	..	..	103	..	..	..	..	..	..	..	..	..	..	..
Vengai	25	25	..	..	50	..	..	..	..	..	..	..	..	..	..	..
Ironwood	773	..	..	..	773	..	..	..	..	..	..	..	..	..	..	..
Hopea	..	76	..	..	76	..	..	..	..	..	..	..	..	..	..	..
Terminalia tomentosa	72	1,275	..	..	1,347	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous	695	2,495	..	..	3,190	..	..	..	..	..	..	..	..	..	..	..
Total ..	1,749	4,049	..	..	5,798	6,725	240,657	..	..	247,382	253,180	1,292	92,959	..	..	94,251
Reserved lands—																
Hopea	37	765	..	..	802	..	..	..	..	..	..	..	..	..	..	..
Terminalia tomentosa	75	1,450	..	..	1,525	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous	..	638	..	..	638	..	..	..	..	..	..	..	..	..	..	..
Total ..	112	2,853	..	..	2,965	..	3,826	..	..	3,826	6,791	150	17,075	..	..	17,225
Unreserved lands—																
Teak	..	367	..	..	367	..	..	..	..	..	..	..	..	..	..	..
Rosewood	..	153	..	..	153	..	..	..	..	..	..	..	..	..	..	..
Vengai	..	26	..	..	26	..	..	..	..	..	..	..	..	..	..	..
Ironwood	..	76	..	..	76	..	..	..	..	..	..	..	..	..	..	..
Hopea	..	765	..	..	765	..	..	..	..	..	..	..	..	..	..	..
Terminalia tomentosa	..	325	..	..	325	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous	..	5,304	..	..	5,304	..	..	..	..	..	..	..	..	..	..	..
Total ..	..	7,016	..	..	7,016	200	446,566	..	..	446,766	453,782	..	3,117	..	..	3,117
Grand Total ..	1,861	13,918	..	..	15,779	6,925	691,049	..	..	697,974	713,753	1,442	113,151	..	..	114,593

Outturn (in cubic feet, solid) of Timber and Fuel during the year 1901–1902, and Agency of Exploitation—*cont.*

District.	Timber.					Fuel.					Total.	Bamboos.				
	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Outturn.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
SOUTHERN CIRCLE—*cont.*	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	NO.	NO.	NO.	NO.	NO.
North Malabar.																
Reserved Forests—																
Teak	63,836	3,673	..	..	67,509	..	..	..	..	..	..	..	..	..	..	..
Vengai	*16,479	129	..	..	16,608	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous	17,116	1,195	1,850	..	20,161	..	..	..	..	..	..	..	..	..	..	..
Total ..	97,431	4,997	1,850	..	104,278	284	4,440	4,960	..	9,684	113,962	5,000	14,838	5,525	..	25,363
South Malabar.																
Reserved Forests—																
Teak	10,658	4,944	..	..	15,602	..	..	..	..	..	..	..	..	..	..	..
Rosewood	6	652	..	..	658	..	..	..	..	..	..	..	..	..	..	..
Vengai	..	708	..	..	708	..	..	..	..	..	..	..	..	..	..	..
Ironwood	1,641	7,922	..	..	9,563	..	..	..	..	..	..	..	..	..	..	..
Hopea	465	1,151	..	..	1,616	..	..	..	..	..	..	..	..	..	..	..
Terminalia tomentosa	458	14,193	..	..	14,651	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous	677	69,139	..	..	69,816	..	..	..	..	..	..	..	..	..	..	..
Total ..	13,905	98,709	..	..	112,614	1,175	48,451	..	..	49,626	162,240	9,099	98,486	..	..	107,585
Reserved lands—																
Teak	24,227	138	..	..	24,365	..	..	..	..	..	..	..	..	..	..	..
Rosewood	..	401	..	..	401	..	..	..	..	..	..	..	..	..	..	..
Ironwood	563	15,601	..	..	16,164	..	..	..	..	..	..	..	..	..	..	..
Hopea	..	170	..	..	170	..	..	..	..	..	..	..	..	..	..	..
Terminalia tomentosa	..	1,269	..	..	1,269	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous	..	7,189	..	..	7,189	..	..	..	..	..	..	..	..	..	..	..
Total ..	24,790	24,768	..	..	49,558	60	..	..	..	60	49,618	2,555	12,050	..	..	14,605
Unreserved lands—																
Teak	21	..	..	..	21	..	..	..	..	..	..	..	..	..	..	..
Rosewood	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Terminalia tomentosa	32	..	..	..	32	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous	151	..	..	..	151	..	..	..	..	..	..	..	..	..	..	..
Total ..	204	..	..	..	204	..	..	..	..	..	204	..	..	25	..	25
Grand Total ..	38,899	123,477	..	..	162,376	1,235	48,451	..	..	49,686	212,062	11,654	110,536	25	..	122,215

Outturn (in cubic feet, solid) of Timber and Fuel during the year 1901-1902, and Agency of Exploitation—*cont.*

District.	Timber.					Fuel.					Total.	Bamboos.				
	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Outturn.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
SOUTHERN CIRCLE—*cont.*	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	NO.	NO.	NO.	NO.	NO.
The Nilgiris.																
Reserved forests—																
Teak	8,544	130	..	..	8,674	..	..	..	..	..	..	..	..	..	..	..
Rosewood	1,964	4	..	..	1,968	..	..	..	..	..	..	..	..	..	..	..
Sandalwood	263	..	..	..	263	..	..	..	..	..	..	..	..	..	..	..
Terminalia tomentosa	10,244	72	..	..	10,316	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous	99	14,496	250	..	14,845	..	..	..	..	..	..	..	..	..	..	..
Total ..	21,114	14,702	250	..	36,066	326,589	9,591	1,934	..	338,114	374,180	750	361,437	4,325	..	366,512
Reserved lands—																
Miscellaneous	..	..	..	420	420	..	..	1,003	199	1,202	1,622	..	..	1,485	375	1,860
Unreserved lands—																
Miscellaneous	..	..	..	..	..	..	..	98	..	98	98	..	..	..	..	..
Grand total ..	21,114	14,702	250	420	36,486	326,589	9,591	3,035	199	339,414	375,900	750	361,437	5,810	375	368,372
North Coimbatore.																
Reserved forests—																
Teak	1,011	..	..	..	1,011	..	..	..	..	..	..	..	..	..	..	..
Vengai	991	..	..	..	991	..	..	..	..	..	..	..	..	..	..	..
Sandalwood	2,428	..	..	..	2,428	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous	1,730	20,943	..	..	22,673	..	..	..	..	..	..	..	..	..	..	..
Total ..	6,160	20,943	..	..	27,103	..	295,337	..	..	295,337	322,440	22,474	3,233,860	..	..	3,256,334
Unreserved lands—																
Miscellaneous	..	783	2,368	..	3,151	..	3,984	..	..	3,984	7,135	..	7,300	24	..	7,324
Grand total ..	6,160	21,726	2,368	..	30,254	..	299,321	..	..	299,321	329,575	22,474	3,241,160	24	..	3,263,658
South Coimbatore.																
Reserved forests—																
Teak	13,879	9,836	..	..	23,715	..	..	..	..	..	..	..	..	..	..	..
Rosewood	2,660	247	..	..	2,907	..	..	..	..	..	..	..	..	..	..	..
Vengai	46	775	..	..	821	..	..	..	..	..	..	..	..	..	..	..
Ironwood	865	..	..	..	865	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous	9,104	13,070	..	..	22,174	..	..	..	..	..	..	..	..	..	..	..
Total ..	26,554	23,928	..	..	50,482	183,880	733,601	..	..	917,481	967,963	4,356	2,435,600	..	..	2,439,956
Unreserved lands—																
Miscellaneous	..	3,868	300	..	4,168	..	16,406	..	..	16,406	20,574	..	..	..	..	..
Grand total ..	26,554	27,796	300	..	54,650	183,880	750,007	..	..	933,887	988,537	4,356	2,435,600	..	..	2,439,956

Outturn (in cubic feet, solid) of Timber and Fuel during the year 1901–1902, and Agency of Exploitation—*cont.*

District.	Timber.					Fuel.					Total.	Bamboos.				
	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Outturn.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
SOUTHERN CIRCLE—*cont.*	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	NO.	NO.	NO.	NO.	NO.
Madura.																
Reserved forests—																
Vengai	1,156	..	..	..	1,156	..	..	..	..	..	..	..	..	..	..	..
Rosewood	176	..	..	..	176	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous	210	10,252	216	..	10,678	..	..	..	..	..	..	..	..	..	..	..
Total ..	1,542	10,252	216	..	12,010	93,880	222,105	..	..	315,985	327,995	..	103,300	..	..	103,300
Unreserved lands—																
Miscellaneous	..	170,124	30	..	170,154	..	220,100	..	..	220,100	390,254	..	..	..	..	..
Grand Total ..	1,542	180,376	246	..	182,164	93,880	442,205	..	..	536,085	718,249	..	103,300	..	..	103,300
Tinnevelly.																
Reserved forests—																
Hopea	215	40	..	..	255	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous	164	36,731	60	..	36,955	..	..	..	..	..	..	..	..	..	..	..
Total ..	379	36,771	60	..	37,210	44,312	753,738	..	..	798,050	835,260	..	76,576	200	..	76,776
Unreserved lands—																
Miscellaneous	..	..	3,760	..	3,760	400	395,466	..	..	395,866	399,626	..	2,980	..	..	2,980
Grand total ..	379	36,771	3,820	..	40,970	44,712	1,149,204	..	..	1,193,916	1,234,886	..	79,556	200	..	79,756
Abstract.																
NORTHERN CIRCLE.																
Reserved forests—																
Teak	60	199	200	..	459	..	..	..	..	..	..	..	..	..	..	..
Vengai	3,243	..	..	..	3,243	..	..	..	..	..	..	..	..	..	..	..
Sal	5,367	89,245	..	..	94,612	..	..	..	..	..	..	..	..	..	..	..
Ironwood	224	1,077	..	..	1,301	..	..	..	..	..	..	..	..	..	..	..
Terminalia tomentosa	5,413	..	..	..	5,413	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous	21,249	454,787	4,172	1,311	481,519	..	..	..	..	..	..	..	..	..	..	..
Total ..	35,556	545,308	4,372	1,311	586,547	956,558	2,211,196	925	257,510	3,426,189	4,012,736	1,080	13,578,361	61,525	20,489	13,661,455

Outturn (in cubic feet, solid) of Timber and Fuel during the year 1901–1902, and Agency of Exploitation—*cont.*

District.	Timber.					Fuel.					Total.	Bamboos.				
	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Outturn.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
						Abstract—cont.										
NORTHERN CIRCLE—*cont.*	C. FT.	C FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C FT.	C. FT.	C. FT.	NO.	NO.	NO.	NO.	NO.
Reserved lands—																
Teak	1,676	..	..	..	1,676	..	..	..	..	..	..	..	..	..	..	..
Sandalwood	240	..	..	..	240	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous	60,546	38,508	260	..	99,314	..	..	..	..	..	..	..	..	..	..	..
Total ..	62,462	38,508	260	..	101,230	144,739	363,962	..	..	508,701	609,931	630	232,212	2,100	..	234,942
Unreserved lands—																
Teak	..	21,340	53	..	21,393	..	..	..	..	..	..	..	..	..	..	..
Sal	4,798	6,553	..	..	11,351	..	..	..	..	..	..	..	..	..	..	..
Ironwood	27	13	..	..	40	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous	48,840	770,322	16,719	..	835,881	..	..	..	..	..	..	..	..	..	..	..
Total ..	53,665	798,228	16,772	..	868,665	1,242	581,873	..	..	583,115	1,451,780	..	6,001,029	..	..	6,001,029
Grand Total ..	151,683	1,382,044	21,404	1,311	1,556,442	1,102,539	3,157,031	925	257,510	4,518,005	6,074,447	1,710	19,811,602	63,625	20,489	19,897,426
CENTRAL CIRCLE.																
Reserved forests—																
Redwood	19,604	..	..	..	19,604	..	..	..	..	..	..	..	..	..	..	..
Sandalwood	293	..	..	..	293	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous	19,273	152,741	22,640	..	194,654	..	..	..	..	..	..	..	..	..	..	..
Total ..	39,170	152,741	22,640	..	214,551	532,619	1,139,358	345,279	..	2,017,256	2,231,807	85	7,093,929	345,475	..	7,439,489
Reserved lands—																
Miscellaneous	..	552	..	..	552	..	4,866	..	..	4,866	5,418	..	11,567	..	..	11,567
Total ..	..	552	..	..	552	..	4,866	..	..	4,866	5,418	..	11,567	..	..	11,567
Unreserved lands—																
Sandalwood	675	..	..	..	675	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous	3,893	638,656	7,743	..	650,292	..	..	..	..	..	..	..	..	..	..	..
Total ..	4,568	638,656	7,743	..	650,967	1,672,976	3,204,934	..	..	4,877,910	5,528,877	2,238	5,310,053	250	..	5,312,541
Grand Total ..	43,738	791,949	30,383	..	866,070	2,205,595	4,349,158	345,279	..	6,900,032	7,766,102	2,323	12,415,549	345,725	..	12,763,597

Outturn (in cubic feet, solid) of Timber and Fuel during the year 1901–1902, and Agency of Exploitation—*cont.*

District.	Timber.					Fuel.					Total.	Bamboos.				
	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Outturn.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
						Abstract—cont.										
SOUTHERN CIRCLE.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	NO.	NO.	NO.	NO.	NO.
Reserved forests—																
Teak	98,085	18,685	..	..	116,770	..	..	..	..	..	..	..	..	..	..	..
Rosewood	4,833	979	..	..	5,812	..	..	..	..	..	..	..	..	..	..	..
Ironwood	3,279	7,922	..	..	11,201	..	..	..	..	..	..	..	..	..	..	..
Vengai	18,697	1,637	..	..	20,334	..	..	..	..	..	..	..	..	..	..	..
Sandalwood	2,691	..	..	..	2,691	..	..	..	..	..	..	..	..	..	..	..
Hopea	680	1,267	..	..	1,947	..	..	..	..	..	..	..	..	..	..	..
Terminalia tomentosa	10,774	15,540	..	..	26,314	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous	29,795	168,321	2,376	..	200,492	..	..	..	..	..	..	..	..	..	..	..
Total	168,834	214,351	2,376	..	385,561	656,845	2,307,920	6,894	..	2,971,659	3,357,220	42,971	6,417,056	10,050	..	6,470,077
Reserved lands—																
Teak	24,227	138	..	..	24,365	..	..	..	..	..	..	..	..	..	..	..
Rosewood	..	401	..	..	401	..	..	..	..	..	..	..	..	..	..	..
Ironwood	563	15,601	..	..	16,164	..	..	..	..	..	..	..	..	..	..	..
Hopea	37	935	..	..	972	..	..	..	..	..	..	..	..	..	..	..
Terminalia tomentosa	75	2,719	..	..	2,794	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous	..	7,827	..	420	8,247	..	..	..	..	..	..	..	..	..	..	..
Total	24,902	27,621	..	420	52,943	60	3,826	1,003	199	5,088	58,031	2,705	29,125	1,485	375	33,690
Unreserved lands—																
Teak	21	367	..	..	388	..	..	..	..	..	..	..	..	..	..	..
Vengai	..	26	..	..	26	..	..	..	..	..	..	..	..	..	..	..
Ironwood	..	76	..	..	76	..	..	..	..	..	..	..	..	..	..	..
Hopea	..	765	..	..	765	..	..	..	..	..	..	..	..	..	..	..
Rosewood	..	153	..	..	153	..	..	..	..	..	..	..	..	..	..	..
Terminalia tomentosa	32	325	..	..	357	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous	151	180,079	6,458	..	186,688	..	..	..	..	..	..	..	..	..	..	..
Total	204	181,791	6,458	..	188,453	600	1,082,522	98	..	1,083,220	1,271,673	..	13,397	49	..	13,446
Grand Total	193,940	423,763	8,834	420	626,957	657,505	3,394,268	7,995	199	4,059,967	4,686,924	45,676	6,459,578	11,584	375	6,517,213

Outturn (in cubic feet, solid) of Timber and Fuel during the year 1901-1902, and Agency of Exploitation—*cont.*

District.	Timber.					Fuel.					Total.	Bamboos.				
	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Outturn.	Government.	Purchasers.	Free-grantees.	Right holders.	Total.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
						Circle Abstract.										
NORTHERN CIRCLE.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	NO.	NO.	NO.	NO.	NO.
Reserved forests, reserved lands and unreserved lands—																
Teak	1,736	21,539	253	..	23,528	..	..	..	..	..	..	..	..	..	..	..
Vengai	3,243	..	..	..	3,243	..	..	..	..	..	..	..	..	..	..	..
Sal	10,165	95,798	..	..	105,963	..	..	..	..	..	..	..	..	..	..	..
Ironwood	251	1,090	..	..	1,341	..	..	..	..	..	..	..	..	..	..	..
Sandalwood	240	..	..	..	240	..	..	..	..	..	..	..	..	..	..	..
Terminalia tomentosa ..	5,413	..	..	..	5,413	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous	130,635	1,263,617	21,151	1,311	1,416,714	..	..	..	..	..	..	..	..	..	..	..
Total ..	151,683	1,382,044	21,404	1,311	1,556,442	1,102,539	3,157,031	925	257,510	4,518,005	6,074,447	1,710	19,811,602	63,625	20,489	19,897,426
CENTRAL CIRCLE.																
Reserved forests, reserved lands and unreserved lands—															..	..
Redwood	19,604	..	..	..	19,604	..	..	..	..	..	..	..	..	..	..	..
Sandalwood	968	..	..	..	968	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous	23,166	791,949	30,383	..	845,498	..	..	..	..	..	..	..	..	..	..	..
Total ..	43,738	791,949	30,383	..	866,070	2,205,595	4,349,158	345,279	..	6,900,032	7,766,102	2,323	12,415,549	345,725	..	12,763,597
SOUTHERN CIRCLE.																
Reserved forests, reserved lands and unreserved lands—																
Teak	122,333	19,190	..	..	141,523	..	..	..	..	..	..	..	..	..	..	..
Rosewood	4,833	1,533	..	..	6,366	..	..	..	..	..	..	..	..	..	..	..
Vengai	18,697	1,663	..	..	20,360	..	..	..	..	..	..	..	..	..	..	..
Ironwood	3,842	23,599	..	..	27,441	..	..	..	..	..	..	..	..	..	..	..
Sandalwood	2,691	..	..	..	2,691	..	..	..	..	..	..	..	..	..	..	..
Hopea	717	2,967	..	..	3,684	..	..	..	..	..	..	..	..	..	..	..
Terminalia tomentosa ..	10,881	18,584	..	..	29,465	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous	29,946	356,227	8,834	420	395,427	..	..	..	..	..	..	..	..	..	..	..
Total ..	193,940	423,763	8,834	420	626,957	657,505	3,394,268	7,995	199	4,059,967	4,686,924	45,676	6,459,578	11,584	375	6,517,213

Outturn (in cubic feet, solid) of Timber and Fuel during the year 1901–1902, and Agency of Exploitation—*cont.*

District.	Timber.					Fuel.					Total.	Bamboos.				
	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Outturn.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
						Presidency Abstract.										
	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	NO.	NO.	NO.	NO.	NO.
Reserved forests—																
Teak	98,145	18,884	200	..	117,229	..	..	..	..	..	..	..	..	..	..	..
Rosewood	4,833	979	..	..	5,812	..	..	..	..	..	..	..	..	..	..	..
Vengai	21,940	1,637	..	..	23,577	..	..	..	..	..	..	..	..	..	..	..
Redwood	19,604	..	..	..	19,604	..	..	..	..	..	..	..	..	..	..	..
Sal	5,367	89,245	..	..	94,612	..	..	..	..	..	..	..	..	..	..	..
Ironwood	3,503	8,999	..	..	12,502	..	..	..	..	..	..	..	..	..	..	..
Sandalwood	2,984	..	..	..	2,984	..	..	..	..	..	..	..	..	..	..	..
Hopea	680	1,267	..	..	1,947	..	..	..	..	..	..	..	..	..	..	..
Terminalia tomentosa	16,187	15,540	..	..	31,727	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous	70,317	775,849	29,188	1,311	876,665	..	..	..	..	..	..	..	..	..	..	..
Total ..	243,560	912,400	29,388	1,311	1,186,659	2,146,022	5,658,474	353,098	257,510	8,415,104	9,601,763	44,136	27,089,346	417,050	20,489	27,571,021
Reserved lands—																
Teak	25,903	138	..	..	26,041	..	..	..	..	..	..	..	..	..	..	..
Rosewood	..	401	..	..	401	..	..	..	..	..	..	..	..	..	..	..
Ironwood	563	15,601	..	..	16,164	..	..	..	..	..	..	..	..	..	..	..
Sandalwood	240	..	..	..	240	..	..	..	..	..	..	..	..	..	..	..
Hopea	37	935	..	..	972	..	..	..	..	..	..	..	..	..	..	..
Terminalia tomentosa	75	2,719	..	..	2,794	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous	60,546	46,887	260	420	108,113	..	..	..	..	..	..	..	..	..	..	..
Total ..	87,364	66,681	260	420	154,725	144,799	372,654	1,903	199	518,655	673,380	3,335	272,904	3,585	375	280,199
Unreserved lands—																
Teak	21	21,707	53	..	21,781	..	..	..	..	..	..	..	..	..	..	..
Rosewood	..	153	..	..	153	..	..	..	..	..	..	..	..	..	..	..
Vengai	..	26	..	..	26	..	..	..	..	..	..	..	..	..	..	..
Sal	4,798	6,553	..	..	11,351	..	..	..	..	..	..	..	..	..	..	..
Ironwood	27	89	..	..	116	..	..	..	..	..	..	..	..	..	..	..
Sandalwood	675	..	..	..	675	..	..	..	..	..	..	..	..	..	..	..
Hopea	..	765	..	..	765	..	..	..	..	..	..	..	..	..	..	..
Terminalia tomentosa	32	325	..	..	357	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous	52,884	1,589,057	30,920	..	1,672,861	..	..	..	..	..	..	..	..	..	..	..
Total ..	58,437	1,618,675	30,973	..	1,708,085	1,674,818	4,869,329	98	..	6,544,245	8,252,330	2,238	11,324,479	299	..	11,327,016

Outturn (in cubic feet, solid) of Timber and Fuel during the year 1901–1902, and Agency of Exploitation—*cont.*

District.	Timber.					Fuel.					Total.	Bamboos.				
	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Outturn.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
						Presidency Abstract—cont.										
	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	NO.	NO.	NO.	NO.	NO.
Reserved forests, reserved lands and unreserved lands—																
Tectona grandis (Teak) ..	124,069	40,729	253	..	165,051	..	..	..	..	..	..	..	..	..	..	..
Dalbergia latifolia (Rosewood).	4,833	1,533	..	..	6,366	..	..	..	..	..	..	..	..	..	..	..
Pterocarpus marsupium (Vengai)	21,940	1,663	..	..	23,603	..	..	..	..	..	..	..	..	..	..	..
Pterocarpus santalinus (Redwood)	19,604	..	..	..	19,604	..	..	..	..	..	..	..	..	..	..	..
Shorea robusta (Sâl)	10,165	95,798	..	..	105,963	..	..	..	..	..	..	..	..	..	..	..
Xylia dolabriformis (Ironwood).	4,093	24,689	..	..	28,782	..	..	..	..	..	..	..	..	..	..	..
Santalum album (Sandalwood).	3,899	..	..	..	3,899	..	..	..	..	..	..	..	..	..	..	..
Hopea parviflora	717	2,967	..	..	3,684	..	..	..	..	..	..	..	..	..	..	..
Terminalia tomentosa	16,294	18,584	..	..	34,878	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous	183,747	2,411,793	60,368	1,731	2,657,639	..	..	..	..	..	..	..	..	..	..	..
Presidency total ..	389,361	2,597,756	60,621	1,731	3,049,669	3,965,439	10,900,457	354,199	257,709	15,478,004	18,527,473	49,709	38,686,729	420,934	20,861	39,178,236

Annual Form No. 56.

Forest Department, Madras Presidency.

Outturn of Minor Forest Produce during the year 1901–1902.

Circle.	Description of produce.	Produce removed or utilized.									
		By Government Agency.		By purchasers.		By free grants.		By right-holders.		Total.	
		Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.
1	2	3	4	5	6	7	8	9	10	11	12
			Rs.		Rs.		Rs.		Rs.		Rs.
Northern Circle.	Grass and grazing	Maunds 3,240	362	..	2,22,359	..	2,399	..	981	..	2,26,101
	Stones, gravel, earth, &c.	..	..	..	8,427	..	25	..	..	..	8,452
	Tamarind, soapnuts, gallnuts ..	..	..	..	38,609	..	..	..	..	..	38,609
	Horns, honey, wax, nux-vomica, &c.	..	..	..	684	..	..	..	200	..	884
	Tangedu, &c., barks	..	..	..	63,605	..	..	..	..	..	63,605
	Miscellaneous	..	..	..	1,27,273	..	57	..	38,250	..	1,65,580
	Total ..	Maunds 3,240	362	..	4,60,957	..	2,481	..	39,431	..	5,03,231
Central Circle.	Grass and grazing	Maunds 5,543	816	..	2,34,667	..	1,437	..	356	..	2,37,276
	Stones, gravel, earth, &c.	..	..	..	7,435	..	..	..	..	..	7,435
	Tamarind, soapnuts, gallnuts ..	Maunds 3,071	1,175	..	23,967	..	..	..	..	..	25,142
	Horns, honey, wax, nux-vomica, &c.	,, 1,353	935	..	..	..	..	..	..	..	935
	Tangedu, &c., barks	,, 203	65	..	14,605	..	..	..	..	..	14,670
	Mica	..	..	..	57,996	..	..	..	..	..	57,996
	Miscellaneous	Maunds 2,193	1,050	..	1,14,436	..	441	..	..	..	1,15,927
	Total ..	Maunds 12,363	4,041	..	4,53,106	..	1,878	..	356	..	4,59,381
Southern Circle.	Grass and grazing	..	..	..	82,591	..	..	..	673	..	83,264
	Stones, gravel, earth, &c.	..	..	..	2,748	..	..	..	..	..	2,748
	Tamarind, soapnuts, gallnuts ..	Maunds 9,996	10,163	..	3,068	..	..	..	..	..	13,231
	Horns, honey, wax, &c.	,, 962	5,271	..	375	..	..	..	..	..	5,646
	Tangedu, &c., barks	,, 3,114	898	..	4,652	..	..	..	..	..	5,550
	Catechu	,, 1,372	10,714	..	..	..	..	..	..	..	10,714
	Miscellaneous	,, 1,013	7,414	..	99,283	..	2	..	3	..	1,06,702
	Total ..	Maunds 16,457	34,460	..	1,92,717	..	2	..	676	..	2,27,855
	Grand Total ..	Maunds 32,060	38,863	..	11,06,780	..	4,361	..	40,463	..	11,90,467

Annual Form No. 57.

Forest Department, Madras Presidency.

Account of Timber cut or collected by Government Agency and brought to depot, sold locally or otherwise disposed of during the year 1901–1902.

Name of district.	Balance at commencement of the year in forest and sale depots.	Received during the year.	Total.	Disposed of during the year.	Balance in hand at close of the year in forest and sale depots.
1	2	3	4	5	6
TIMBER (cubic feet).					
Northern Circle.					
Ganjám	12,804	75,493	88,297	64,735	23,562
Vizagapatam	1,197	222	1,419	913	506
Gódávari	7,768	694	8,462	5,381	3,081
Kistna	593	2,662	3,255	3,200	55
Kurnool	1,600	10,210	11,810	7,549	4,261
Bellary	10,480	62,402	72,882	20,440	52,442
Anantapur	..	..	.	..	..
Total ..	34,442	151,683	186,125	102,218	83,907
Central Circle.					
Cuddapah	22,555	20,756	43,311	10,502	32,809
Nellore	..	758	758	460	298
Chingleput	..	..	..	..	..
North Arcot	150	5,729	5,879	5,830	49
South Arcot	199	1,090	1,289	791	498
Salem	366	4,568	4,934	3,845	1,089
Trichinopoly	..	1,987	1,987	1,987	..
Tanjore	..	8,850	8,850	8,850	..
Total ..	23,270	43,738	67,008	32,265	34,743
Southern Circle.					
South Canara	86,154	1,861	88,015	15,545	72,470
Malabar (North)	123,028	97,431	220,459	24,819	195,640
Do. (South)	* 85,224	38,899	124,123	103,918	20,205
The Nilgiris	18,478	21,114	39,592	16,507	23,085
Coimbatore (North)	1,801	6,160	7,961	1,849	6,112
Do. (South)	188,620	26,554	215,174	† 80,971	134,203
Madura	..	1,542	1,542	1,390	152
Tinnevelly	2,091	379	2,470	2,317	153
Total ..	505,396	1,93,940	699,336	247,316	452,020
Grand Total ..	563,108	389,361	952,469	381,799	570,670
FUEL (cubic feet).					
Northern Circle.					
Ganjám	..	835	835	835	..
Vizagapatam	1,289	99,585	100,874	95,344	5,530
Gódávari	..	84,857	84,857	77,054	7,803
Kistna	22,994	149,596	172,590	168,950	3,640
Kurnool	116,105	619,106	735,211	547,308	187,903
Bellary	86,640	148,560	235,200	125,360	109,840
Anantapur	..	..	..	..	..
Total ..	227,028	1,102,539	1,329,567	1,014,851	314,716
Central Circle.					
Cuddapah	24,752	63,171	87,923	25,181	62,742
Nellore	162,263	258,592	420,855	405,159	15,696
Chingleput	12,260	69,037	81,297	79,587	1,710
North Arcot	1,542	7,058	8,600	7,702	898
South Arcot	662	4,865	5,527	4,420	1,107
Salem	61,619	1,571,910	1,633,529	1,512,007	121,522
Trichinopoly	13,680	182,082	195,762	151,379	44,383
Tanjore	..	48,880	48,880	22,480	26,400
Total ..	276,778	2,205,595	2,482,373	2,207,915	274,458
Southern Circle.					
South Canara	47,933	6,925	54,858	54,858	..
Malabar (North)	470	284	754	754	..
Do. (South)	481	1,235	1,716	1,379	337
The Nilgiris	262,091	326,589	588,680	370,583	218,097
Coimbatore (North)	2,412	..	2,412	..	2,412
Do. (South)	118,880	183,880	302,760	245,880	56,880
Madura	600	93,880	94,480	77,140	17,340
Tinnevelly	1,750	44,712	46,462	46,462	..
Total ..	434,617	657,505	1,092,122	797,056	295,066
Grand Total ..	938,423	3,965,639	4,904,062	4,019,822	884,240

* Revised figure.

† Includes wastage of 10,346 cubic feet.

Account of Timber cut or collected by Government Agency and brought to depot, sold locally or otherwise disposed of during the year 1901–1902—*cont.*

Name of district.	Balance at commencement of the year in forest and sale depots.	Received during the year.	Total.	Disposed of during the year.	Balance in hand at close of the year in forest and sale depots.
1	2	3	4	5	6
MINOR FOREST PRODUCE (MAUNDS OF 25 LB.).					
Northern Circle.					
Ganjám	..	..	..	..	..
Vizagapatam	..	190	190	190	..
Gódávari	..	..	..	..	..
Kistna	11	..	11	6	5
Kurnool	..	..	..	..	..
Bellary	..	3,050	3,050	3,050	..
Anantapur	..	..	..	..	..
Total ..	11	3,240	3,251	3,246	5
Central Circle.					
Cuddapah	..	..	..	..	..
Nellore	* 4,631	3,009	7,640	4,233	3,407
Chingleput	..	..	..	..	..
North Arcot	18	729	747	747	..
South do.	22	3,765	3,787	1,050	2,737
Salem	826	4,790	5,616	900	4,716
Trichinopoly	25	..	25	..	25
Tanjore	..	70	70	58	12
Total ..	5,522	12,363	17,885	6,988	10,897
Southern Circle.					
South Canara	30	4,275	4,305	3,388	917
Malabar (North)	..	236	236	182	54
Do. (South)	..	1	1	1	..
The Nilgiris	2,960	4,528	7,488	4,278	3,210
Coimbatore (North)	12,518	5,269	17,787	14,523	3,264
Do. (South)	96	2,129	2,225	2,152	73
Madura	..	..	..	..	..
Tinnevelly	..	19	19	..	19
Total ..	15,604	16,457	32,061	24,524	7,537
Grand Total ..	21,137	32,060	53,197	34,758	18,439
BAMBOOS (NUMBER).					
Northern Circle.					
Ganjám	..	..	..	..	..
Vizagapatam	..	780	780	780	..
Gódávari	..	..	..	..	..
Kistna	..	500	500	236	264
Kurnool	5,527	..	5,527	5,527	..
Bellary	1,046	430	1,476	928	548
Anantapur	..	..	..	..	..
Total ..	6,573	1,710	8,283	7,471	812
Central Circle.					
Cuddapah	..	..	..	..	..
Nellore	..	..	..	..	..
Chingleput	..	..	..	..	..
North Arcot	..	..	..	..	..
South do.	909	85	994	991	3
Salem	27	2,238	2,265	2,264	1
Trichinopoly	..	..	..	..	..
Tanjore	..	..	..	..	..
Total ..	936	2,323	3,259	3,255	4
Southern Circle.					
South Canara	56	1,442	1,498	210	1,288
Malabar (North)	..	5,000	5,000	5,000	..
Do. (South)	76,467	11,654	88,121	76,419	11,702
The Nilgiris	..	750	750	750	..
Coimbatore (North)	3,860	22,474	26,334	26,334	..
Do. (South)	..	4,356	4,356	4,356	..
Madura	..	..	..	..	..
Tinnevelly	..	..	..	..	..
Total ..	80,383	45,676	126,059	113,069	12,990
Grand Total ..	87,892	49,709	1,37,601	1,23,795	13,806

* Revised figure.

ANNUAL FORM NO. 72-A (OLD CODE).

Forest Department, Madras Presidency.

TIMBER and other Produce cut, collected and removed by Consumers or Purchasers during 1901–1902.

District.	Timber.	Firewood and charcoal.	Bamboos.	MONEY VALUE OF SALES.											
				Timber.		Firewood and charcoal.		Bamboos.		Grazing and fodder grass.		Minor produce.		Total.	
				Amount of sales.	Amount actually realized during the year.	Amount of sales.	Amount actually realized during the year.	Amount of sales.	Amount actually realized during the year.	Amount of sales.	Amount actually realized during the year.	Amount of sales.	Amount actually realized during the year.	Amount of sales.	Amount actually realized during the year.
Northern Circle.	C. FEET.	C. FEET.	NO.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
Ganjám	314,229	689,083	1,741,755	27,103	27,103	9,186	9,186	6,847	6,847	10,026	10,026	6,640	6,632	59,802	59,794
Vizagapatam	70,033	270,562	835,390	4,730	4,730	5,912	5,912	6,939	6,939	4,241	4,241	12,609	12,609	34,431	34,431
Gódávari	329,074	731,849	12,404,718	39,649	39,649	12,266	12,266	58,117	58,117	21,299	21,299	38,628	38,628	1,69,959	1,69,959
Kistna	242,204	400,880	220,546	15,232	15,232	11,136	12,161	2,329	2,329	65,682	65,682	18,152	23,205	1,12,531	1,18,609
Kurnool	190,229	629,839	4,499,300	21,115	21,115	16,270	16,270	17,849	17,849	47,182	47,182	36,892	48,272	1,39,308	1,50,688
Bellary	190,490	264,254	95,408	12,513	12,513	4,754	4,754	1,907	1,907	44,034	44,034	75,077	56,733	1,38,285	1,19,941
Anantapur	45,785	170,594	14,485	5,914	5,914	3,379	3,379	503	503	29,895	29,895	50,600	60,062	90,291	99,753
Total ..	1,382,044	3,157,031	19,811,602	1,26,255	1,26,256	62,903	63,928	94,491	94,491	2,22,359	2,22,359	2,38,598	2,46,141	7,44,607	7,53,175
Central Circle.															
Cuddapah	180,764	549,644	1,301,870	13,732	12,730	11,108	11,073	4,299	4,278	36,281	36,281	43,046	42,938	1,08,466	1,07,300
Nellore	55,948	70,246	45,400	6,213	6,213	41,198	32,816	188	188	38,393	38,393	69,614	69,591	1,55,606	1,47,201
Chingleput	34,152	89,972	2,604	2,211	2,216	6,772	6,829	24	24	13,527	13,549	5,592	12,695	28,126	35,313
North Arcot	29,950	392,317	4,439,500	4,593	4,813	16,894	20,281	22,197	20,324	24,624	24,635	17,142	33,591	85,450	1,03,644
South do.	13,837	585,272	1,076,267	1,639	1,639	36,353	38,614	2,958	2,958	49,435	49,451	25,417	24,093	1,15,802	1,16,755
Salem	441,809	339,974	5,298,225	30,856	30,893	8,897	8,896	50,650	27,872	58,058	58,143	45,287	38,067	1,73,748	1,63,871
Tanjore	12,926	367,992	2,982	808	808	8,362	8,551	298	298	1,172	1,172	4,752	4,804	15,392	15,633
Trichinopoly	22,563	1,953,741	248,701	1,952	1,952	31,840	27,113	1,756	1,711	13,377	13,494	7,589	10,707	56,314	54,977
Total ..	791,949	4,349,158	12,415,549	62,004	61,264	1,61,424	1,54,173	62,370	57,653	2,34,667	2,35,118	2,18,439	2,36,486	7,38,904	7,44,694
Southern Circle.															
South Canara	13,918	691,049	113,151	3,479	3,479	10,817	11,325	1,697	1,697	4,111	4,111	18,675	11,770	38,779	32,382
North Malabar	4,997	4,440	14,838	2,451	2,451	71	71	254	254	2,022	2,022	1,142	1,142	5,940	5,940
South do.	123,477	48,451	110,536	18,395	18,405	701	701	2,790	2,790	85	85	2,050	2,165	24,021	24,146
The Nilgiris	14,702	9,591	361,437	2,279	2,279	427	427	3,322	3,322	9,161	9,161	897	897	16,086	16,086
North Coimbatore ..	21,726	299,321	3,241,160	2,815	2,809	13,789	13,789	6,202	6,202	35,036	35,036	6,037	5,991	63,879	63,827
South do.	27,796	750,007	2,435,600	10,821	10,821	17,171	16,184	7,573	7,573	8,069	8,069	7,737	7,395	51,371	49,992
Madura	180,376	442,205	103,300	11,477	11,477	25,227	24,841	3,262	3,262	19,636	19,636	36,505	33,841	96,107	93,057
Tinnevelly	36,771	1,149,264	79,556	387	387	41,166	39,283	752	661	4,471	4,471	37,083	25,072	83,859	69,874
Total ..	423,763	3,394,268	6,459,578	52,104	52,108	1,09,369	1,06,571	25,852	25,761	82,591	82,591	1,10,126	88,273	3,80,042	3,55,304
Grand Total ..	2,597,756	10,900,457	38,686,729	2,40,364	2,39,628	3,33,696	3,24,672	1,82,713	1,77,905	5,39,617	5,40,068	5,67,163	5,70,900	18,63,553	18,53,173
													Add outstandings at the close of 1900–1901 ..		1,93,300
													Total ..		20,56,853
													Deduct amount realized as per Form No. 59 ..		18,53,173
													Balance outstanding on 30th June 1902 ..		2,03,680

Annual Form No. 72-B (Old Code).

Forest Department, Madras Presidency.

Timber and other Produce Confiscated and Sold during the year 1901–1902.

District.	Timber.		Firewood.		Bamboos.		Minor produce in value.	Total amount of sales.	Amount actually realized.
	Quantity in cubic feet.	Amount of sales.	Quantity in cubic feet.	Amount of sales.	Number.	Amount of sales.			
Northern Circle.		Rs.		Rs.		Rs.	Rs.	Rs.	Rs.
Ganjám	1,671	350	347	7	1,185	9	1	367	367
Vizagapatam ..	1,554	88	562	19	820	14	2	123	299
Gódávari	127,984	8,000	7,360	115	3,603	30	1	8,146	8,146
Kistna	702	47	91	9	288	18	2	76	76
Kurnool	8,365	1,204	712	58	21,867	41	226	1,529	1,529
Bellary	115	14	51	3	..	..	1	18	18
Anantapur	..	..	..	..	..	..	..	..	1
Total ..	140,391	9,703	9,123	211	27,703	112	233	10,259	10,436
Central Circle.									
Cuddapah	1,731	513	682	40	6,526	20	7	580	619
Nellore	7,104	888	108	18	625	1	158	1,065	1,065
Chingleput	1,009	63	68	4	..	..	22	89	89
North Arcot ..	219	166	297	15	950	5	53	239	239
South do. ..	475	64	1,288	46	84	2	38	150	150
Salem	1,786	231	1,299	75	364	35	85	426	426
Trichinopoly ..	140	45	326	76	68	5	65	191	191
Tanjore	12	1	260	5	..	..	..	6	6
Total ..	12,476	1,971	4,328	279	8,617	68	428	2,746	2,785
Southern Circle.									
South Canara ..	5,519	871	1,737	84	65	2	11	968	974
Malabar, North ..	..	..	..	..	..	..	..	..	..
Do. South ..	1,098	95	768	3	400	2	1	101	101
The Nilgiris ..	16	4	326	9	22	1	3	17	17
Coimbatore, North ..	396	129	373	14	701	3	2	148	148
Do. South ..	1,111	181	1,969	46	1,700	6	10	243	243
Madura	1,282	150	957	66	174	8	47	271	271
Tinnevelly	130	83	21,168	786	..	..	26	895	895
Total ..	9,552	1,513	27,298	1,008	3,062	22	100	2,643	2,649
Grand Total ..	162,419	13,187	40,749	1,498	39,382	202	761	15,648	15,870
							Add outstanding at close of 1900–1901 ..	757	
							Total ..	16,405	
							Deduct amount realized as per Form No. 59 ..	15,870	
							Balance outstanding on the 30th June 1902 ..	535	

Annual Form No. 58.

Forest Department, Madras Presidency.

Abstract showing the Value of Timber and other Produce at sale depots for the year 1901–1902.

District.	Description of timber or produce.	On hand at commencement of the year.			On hand at close of the year.			Difference in value.	
		Number.	Cubic feet.	Value.	Number.	Cubic feet.	Value.	In favour of the year.	Against the year
	Northern Circle.			Rs.			Rs.	Rs.	Rs.
Ganjám ..	Sâl	..	3,383	1,269	..	7,057	2,646	1,377	..
	Miscellaneous ..	..	9,421	2,262		16,505	4,125	1,863	..
	Total, timber ..	..	12,804	3,531	..	23,562	6,771	3,240	..
Vizagapatam.	Miscellaneous timber ..	..	1,197	1,021	..	506	408	..	613
	Minor produce ..	..	..	5	..	..	..	..	5
	Fuel	..	1,289	50	..	5,530	214	164	..
Gódávari ..	Miscellaneous timber ..	..	7,768	4,210	..	3,081	2,633	..	1,577
	Fuel	..	..	..	..	7,803	4,583	4,583	..
Kistna ..	Miscellaneous timber ..	..	593	545	..	55	50	..	495
	Bamboos ..	..	..	..	264	..	5	5	..
	Fuel	..	22,994	1,365	..	3,640	1,493	128	..
	Minor produce ..	MDS. 11	..	8	MDS. 5	..	4	..	4
Kurnool ..	Teak	..	73	73	..	12	12	..	61
	Miscellaneous ..	..	1,527	763	..	4,249	4,343	3,580	..
	Total, timber ..	..	1,600	836	..	4,261	4,355	3,519	..
	Fuel	..	116,105	6,828	..	187,903	11,052	4,224	..
	Bamboos ..	5,527	..	110	..	..	..	..	110
Bellary ..	Teak	..	1,684	88	..	902	50	..	38
	Miscellaneous ..	..	8,796	800	..	51,540	1,800	1,000	..
	Total, timber ..	..	10,480	888	..	52,442	1,850	962	..
	Fuel	..	86,640	8,525	..	109,840	9,985	1,460	..
	Bamboos ..	1,046	..	62	548		32	..	30
Anantapur.	....	..	..	..	..	..	..	..	..
	Central Circle.								
Cuddapah ..	Miscellaneous timber ..	..	22,555	6,756	..	32,809	9,797	3,041	..
	Fuel	..	24,752	1,180	..	62,742	3,016	1,836	..
Nellore ..	Miscellaneous timber ..	..	..	..	..	298	62	62	..
	Fuel	..	162,263	15,849	..	15,696	1,759	..	14,090
	Minor produce ..	MDS. 4,648	..	3,280	MDS. 3,407	..	2,585	..	695
Chingleput.	Fuel	..	12,260	122	..	1,710	17	..	105
North Arcot.	Miscellaneous timber ..	..	150	75	..	49	133	58	..
	Fuel	..	1,542	34	..	898	95	61	..
	Minor produce ..	MDS. 18	..	18	MDS. ..	..	..	..	18
South Arcot.	Miscellaneous timber ..	..	199	24	..	498	60	36	..
	Fuel	..	662	35	..	1,107	60	25	..
	Bamboos ..	909	..	14	3	..	..	..	14
	Minor produce ..	MDS. 22	..	22	MDS. 2,737	..	18,403	18,381	..
Salem ..	Sandalwood ..	..	148	1,480	..	340	3,400	1,920	..
	Miscellaneous ..	..	218	218	..	749	592	374	..
	Total, timber ..	..	366	1,698	..	1,089	3,992	2,294	..
	Fuel	..	61,619	963	..	121,522	2,532	1,569	..
	Bamboos ..	27	..	20	1	..	1	..	19
	Minor produce ..	MDS. 826	..	126	MDS. 4,716	..	997	871	..
Trichinopoly	Fuel	..	13,680	9,219	..	44,383	7,228	..	1,991
	Minor produce ..	MDS. 25	..	87	MDS. 25	.	87	..	..
Tanjore ..	Fuel	..	..	..	..	26,400	3,960	3,960	..
	Minor produce ..	..	..	..	12	..	7	7	..

Abstract showing the Value of Timber and other Produce at sale depots, &c.—*cont.*

District.	Description of timber or produce.	On hand at commencement of the year.			On hand at close of the year.			Difference in value.	
		Number.	Cubic feet.	Value.	Number.	Cubic feet.	Value.	In favour of the year.	Against the year.
	Southern Circle.			RS.			RS.	RS.	RS.
South Canara.	Rosewood ..	..	509	636	..	..	..	..	636
	Miscellaneous ..	..	85,645	60,853	..	72,470	3,233	..	57,620
	Total, timber ..	..	86,154	61,489	..	72,470	3,233	..	58,256
	Fuel	..	47,933	755	..	..	..	..	755
	Bamboos ..	56 MDS.	..	5	1,288 MDS.	..	129	124	..
	Minor produce ..	30	..	262	917	..	3,338	3,076	..
North Malabar.	Teak	..	51,048	25,524	..	79,621	44,787	19,263	..
	Rosewood ..	..	979	489	..	2,660	1,497	1,008	..
	Vengai	..	11,863	5,931	..	18,886	10,623	4,692	..
	Miscellaneous ..	..	59,138	10,724	..	94,473	11,809	1,085	..
	Total, timber ..	..	123,028	42,668	..	195,640	68,716	26,048	..
	Fuel	..	470	60	..	..	..	..	60
	Minor produce ..	..	..	..	54 MDS.	..	638	638	..
South Malabar.	Teak	..	* 15,307	35,785	..	15,953	9,415	..	..
	Rosewood ..	..	401			..			
	Hopea	..	1,632			..			
	Ironwood ..	..	29,282			3,455			
	Terminalia tomentosa ..	..	33,378			698			
	Miscellaneous ..	..	* 5,224			99			
	Total, timber ..	..	85,224	35,785	..	20,205	9,415	..	26,370
	Fuel	..	481	50	..	337	45	..	5
	Bamboos ..	76,467	..	1,529	11,702	..	230	..	1,299
The Nilgiris.	Teak	..	78	273	..	34	101	..	172
	Miscellaneous ..	..	18,400	1,382	..	23,051	1,843	461	..
	Total, timber ..	..	18,478	1,655	..	23,085	1,944	289	..
	Fuel	..	262,091	1,434	..	218,097	1,783	349	..
	Minor produce ..	2,960 MDS.	..	2,500	3,210 MDS.	..	2,900	400	..
North Coimbatore.	Teak	..	348	450	..	1,122	1,200	750	..
	Vengai	..	514	520	..	1,228	1,240	720	..
	Sandalwood ..	..	200	300	..	2,527	25,270	24,970	..
	Miscellaneous ..	..	739	180	..	1,235	950	770	..
	Total, timber ..	..	1,801	1,450	..	6,112	28,660	27,210	..
	Fuel	..	2,412	38	..	2,412	38	..	..
	Bamboos ..	3,860 MDS.	..	90	..	..	..	..	90
	Minor produce ..	12,518	..	25,826	3,264 MDS.	..	4,238	..	21,588
South Coimbatore.	Teak	..	12,685	25,013	..	2,929	6,173	..	18,840
	Rosewood ..	..	252	599	..	128	384	..	215
	Miscellaneous ..	..	175,683	7,503	..	131,146	6,913	..	590
	Total, timber ..	..	188,620	33,115	..	134,203	13,470	..	19,645
	Fuel	..	118,880	1,872	..	56,880	1,027	..	845
	Minor produce ..	96 MDS.	..	4	73 MDS.	..	4	..	..
Madura ..	Miscellaneous timber ..	..	..	..	..	152	76	76	..
	Fuel	..	600	94	..	17,340	760	666	..
Tinnevelly ..	*Hopea*	..	2,038	3,057	..	..	..	..	3,057
	Miscellaneous ..	..	53	53	..	153	115	62	..
	Total, timber ..	..	2,091	3,110	..	153	115	..	2,995
	Fuel	..	1,750	140	..	..	..	..	140
	Minor produce ..	..	..	..	19 MDS.	..	38	38	..

* Revised figures.

Abstract showing the Value of Timber and other Produce at sale depots, &c.—*cont.*

District.	Description of timber or produce.	On hand at commencement of the year.			On hand at close of the year.			Difference in value.	
		Number.	Cubic feet.	Value.	Number.	Cubic feet.	Value.	In favour of the year.	Against the year.
				ABSTRACT.					
	Northern Circle.			RS.			RS.	RS.	RS.
	Timber	..	34,442	11,031	..	83,907	16,067	5,036	..
	Fuel	..	227,028	16,768	..	314,716	27,327	10,559	..
	Bamboos ..	6,573	..	172	812	..	37	..	135
	Minor produce ..	MDS. 11	..	13	MDS. 5	..	4	..	9
	Central Circle.								
	Timber	..	23,270	8,553	..	34,743	14,044	5,491	..
	Fuel	..	276,778	27,402	..	274,458	18,667	..	8,735
	Bamboos ..	936	..	34	4	..	1	..	33
	Minor produce ..	MDS. 5,539	..	3,533	MDS. 10,897	..	22,079	18,546	..
	Southern Circle.								
	Timber	..	505,396	1,79,272	..	452,020	1,25,629	..	53,643
	Fuel	..	434,617	4,443	..	295,066	3,653	..	790
	Bamboos ..	80,383	..	1,624	12,990	..	359	..	1,265
	Minor produce ..	MDS. 15,604	..	28,592	MDS. 7,537	..	11,156	..	17,436
				GRAND TOTAL.					
				RS.			RS.	RS.	RS.
	Timber	..	563,108	1,98,856	..	570,670	1,55,740	..	43,116
	Fuel	..	938,423	48,613	..	884,240	49,647	1,034	..
	Bamboos ..	87,892	..	1,830	13,806	..	397	..	1,433
	Minor produce ..	MDS. 21,154	..	32,138	MDS. 18,439	..	33,239	1,101	..

ANNUAL FORM No. 59.

SUMMARY of Revenue of the different districts for the Forest year 1901-1902.

Budget head	Northern Circle.									Central Circle.				
	Direction.	Ganjám.	Vizagapatam.	Godávari.	Kistna.	Kurnool.	Bellary.	Anantapur.	Total.	Direction.	Nellore.	Cuddapah.	Chingleput.	North Arcot.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Receipts.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
I. Timber and other produce removed from the forests by Government Agency—														
(*a*) Timber	..	7,135	1,633	1,402	13	7,176	3,353	..	20,712	..	177	3,409	..	873
(*b*) Firewood and charcoal	..	15	2,835	4,637	8,559	31,540	18,769	..	66,345	..	47,454	402	5,993	500
(*c*) Bamboos	..	..	..	..	..	170	49	..	219	..	..	..	..	27
(*d*) Sandalwood	..	..	..	..	..	..	1,467	..	1,467	..	..	..	..	3,322
(*e*) Grass and other minor produce	..	..	79	..	4	..	283	40	406	..	2,560	..	..	139
II. Timber and other produce removed from the forests by consumers or purchasers—														
(*a*) Timber	..	27,103	4,730	39,649	15,232	21,115	12,513	5,914	1,26,256	..	6,213	12,730	2,216	4,813
(*b*) Firewood and charcoal	..	9,186	5,912	12,266	12,161	16,270	4,754	3,379	63,928	..	32,816	11,073	6,829	20,281
(*c*) Bamboos	..	6,847	6,939	58,117	2,329	17,849	1,907	503	94,491	..	188	4,278	24	20,324
(*d*) Grazing and fodder grass	..	10,026	4,241	21,299	65,682	47,182	44,034	29,895	2;22,359	..	38,393	36,281	13,549	24,635
(*e*) Other produce	..	6,632	12,609	38,628	23,205	48,272	56,733	60,062	2,46,141	..	69,591	42,938	12,695	33,591
III. Confiscated drift and waifwood	..	367	299	8,146	76	1,529	18	1	10,436	..	1,065	619	89	239
IV. Revenue from forests not managed by Government	..	..	..	..	..	..	..	..	..	..	..	..	..	..
V. Miscellaneous—														
(*a*) Fines and forfeitures	..	17	..	833	100	14	..	20	984	..	310	111	96	866
(*b*) Other sources	1	581	1,790	5,639	12,207	4,269	5,813	2,537	32,837	2	4,770	5,971	243	975
Total, Receipts	1	67,909	41,067	1,90,616	1,39,568	1,95,386	1,49,683	1,02,351	8,86,581	2	2,03,537	1,17,812	41,734	1,10,585

Budget heads.	Central Circle—*cont.*					Southern Circle.								
	South Arcot.	Salem.	Trichinopoly	Tanjore.	Total.	Direction.	Nilgiris.	North Coimbatore.	South Coimbatore.	Madura.	Tinnevelly.	North Malabar.	South Malabar.	South Canara.	Total.
	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
Receipts.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
I. Timber and other produce removed from the forests by Government Agency—															
(*a*) Timber	101	2,032	1,893	1,486	9,971	..	1,361	605	24,553	240	2,240	14,164	64,611	7,895	1,15,669
(*b*) Firewood and charcoal	300	1,27,422	16,984	3,036	2,02,091	..	18,326	..	3,138	853	2,663	23	1,869	1,049	27,921
(*c*) Bamboos	47	105	..	..	179	..	..	528	..	..	..	423	813	..	1,764
(*d*) Sandalwood	10	2,525	..	..	5,857	..	4,313	9,765	..	..	30	..	..	..	14,108
(*e*) Grass and other minor produce	84	524	111	41	3,459	..	4,214	15,443	3,731	..	9	1,717	..	11,684	36,798
II. Timber and other produce removed from the forests by consumers or purchasers—															
(*a*) Timber	1,639	30,893	1,952	808	61,264	..	2,279	2,809	10,821	11,477	387	2,451	18,405	3,479	52,108
(*b*) Firewood and charcoal	38,614	8,896	27,113	8,551	1,54,173	..	427	13,789	16,134	24,841	39,283	71	701	11,325	1,06,571
(*c*) Bamboos	2,958	27,872	1,711	298	57,653	..	3,322	6,202	7,573	3,262	661	254	2,790	1,697	25,761
(*d*) Grazing and fodder grass	49,451	58,143	13,494	1,172	2,35,118	..	9,161	35,036	8,069	19,636	4,471	2,022	85	4,111	82,591
(*e*) Other produce	24,093	38,067	10,707	4,804	2,36,486	..	897	5,991	7,395	33,841	25,072	1,142	2,165	11,770	88,273
III. Confiscated drift and waifwood	150	426	191	6	2,785	..	17	148	243	271	895	..	101	974	2,649
IV. Revenue from forests not managed by Government	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
V. Miscellaneous—															
(*a*) Fines and forfeitures	624	1,815	458	17	4,297	..	..	..	27	129	275	1	16	99	547
(*b*) Other sources	1,737	18,787	13,479	3,289	49,253	1	5,500	1,736	12,483	771	2,562	4,516	1,960	3,038	32,567
Total, Receipts	1,19,808	3,17,507	88,093	23,508	10,22,586	1	49,817	92,052	94,167	95,321	78,548	26,784	93,516	57,121	5,87,327

MADRAS, 1st September 1902.

(Signed) W. I. BRYNING, Chief Superintendent.

ANNUAL FORM No. 59—*cont.*

Forest Department, Madras Presidency, Northern Circle.

Summary of Expenditure of the different Districts for the Forest year 1901–1902.

Budget heads.	Direction.	Ganjám.	Vizagapatam.	Gódávari.	Kistna.	Kurnool.	Bellary.	Anantapur.	Total.
	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
A.—Refunds and Drawbacks ..	7	49	..	25	1,132	343	160	459	2,175
I. Timber and other produce removed from the forests by Government Agency—									
(*a*) Timber	..	3,000	114	894	1	5,165	1,829	23	11,026
(*b*) Firewood and charcoal	..	..	2,408	2,339	5,599	19,947	13,672	..	43,965
(*c*) Bamboos	..	..	..	..	..	49	8	..	57
(*d*) Sandalwood ..	..	..	..	..	..	..	269	..	269
(*e*) Grass and other minor produce ..	..	..	3	..	..	..	57	84	144
II. Timber and other produce removed from the forests by consumers or purchasers	..	5,338	4,879	14,886	4,959	16,455	4,353	1,582	52,452
III. Confiscated, drift and waif-wood	..	6	5	1,139	2	71	134	..	1,357
IV. Revenue from forests not managed by Government	..	..	..	..	..	..	..	..	..
V. Rent of leased forests and payments to share-holders in forests managed by Government	..	..	..	..	..	..	10,000	..	10,000
VI. Live-stock, stores, tools and plant—									
(*a*) Purchase of cattle ..	..	..	..	..	..	..	1,279	..	1,279
(*b*) Feed and keep of cattle	..	29	759	675	..	1,853	22	..	3,338
(*c*) Stores, tools and plant	1,429	16	68	1,444	417	1,406	266	..	5,046
VII. Communications and buildings—									
(*a*) Roads and bridges..	..	306	80	4,116	1,155	1,648	804	380	8,489
(*b*) Buildings	60	2,067	827	2,688	945	2,571	400	1,087	10,645
(*c*) Other works ..	4	39	327	1,229	1,109	290	42	241	3,281
VIII. Demarcation, improvement and extension of forests—									
(*a*) Demarcation ..	1	3,370	614	1,447	3,876	1,571	420	39	11,338
(*b*) Cost of forest settlement; compensation for land and rights	..	..	460	6	585	96	95	236	1,478
(*c*) Surveys (1) Local ..	543	347	585	360	1,946	1,395	355	2	5,533
(2) Imperial.	19,486	..	..	..	..	..	..	..	19,486
(*d*) Working plans ..	357	3	31	101	2	10	..	..	504
(*e*) Sowing and planting.	447	284	364	5,067	2,392	129	1,880	423	10,986
(*f*) Protection from fire.	..	1,144	488	2,365	611	2,066	1,783	645	9,102
(*g*) Other works ..	..	102	53	..	11,352	286	3,858	3,549	19,200
IX. Miscellaneous—									
(*a*) Law charges ..	..	..	..	..	57	..	..	..	57
(*b*) Other charges ..	3	24	80	96	1	19	229	1	453
Total, A.—Refunds and Drawbacks	22,337	16,124	12,145	38,877	36,141	55,370	41,915	8,751	2,31,660

MADRAS,
1st September 1902.

(Signed) W. I. BRYNING,
Chief Superintendent.

ANNUAL FORM No. 59—*cont.*

Forest Department, Madras Presidency, Central Circle.

Summary of Expenditure of the different Districts for the Forest year 1901-1902—*cont.*

Budget heads.	Direction.	Nellore.	Cuddapah.	Chingleput.	North Arcot.	South Arcot.	Salem.	Trichinopoly.	Tanjore.	Total.
	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
I.—Refunds and Drawbacks ..	..	12,045	1,004	329	776	473	416	657	27	15,727
I. Timber and other produce removed from the forests by Government Agency—										
(*a*) Timber ..	..	..	4,057	..	411	10	1,446	20	502	6,446
(*b*) Firewood and charcoal ..	..	19,538	615	2,161	749	147	89,129	10,537	3,408	1,26,284
(*c*) Bamboos ..	..	..	..	..	..	..	58	..	..	58
(*d*) Sandalwood ..	..	..	..	..	208	..	630	..	..	838
(*e*) Grass and other minor produce ..	..	2,662	..	..	8	16	488	20	10	3,204
II. Timber and other produce removed from the forests by consumers or purchasers ..	..	8,022	10,465	1,731	1,189	2,330	7,095	1,891	495	33,218
III. Confiscated, drift and waifwood	..	47	37	..	68	1	12	7	1	173
IV. Revenue from forests not managed by Government	..	..	..	..	..	..	..	..	..	..
V. Rent of leased forests and payments to shareholders in forests managed by Government	..	..	..	..	..	..	..	..	..	..
VI. Live-stock, stores, tools and plant—										
(*a*) Purchase of cattle ..	..	..	..	..	..	..	..	..	..	..
(*b*) Feed and keep of cattle ..	..	..	..	..	..	..	..	..	..	..
(*c*) Stores, tools and plant ..	3,635	882	195	116	226	22	1,043	42	3	6,164
VII. Communications and buildings—										
(*a*) Roads and bridges ..	..	..	5	..	10,955	168	2,373	..	..	13,501
(*b*) Buildings ..	12	485	1,517	822	8,718	509	1,595	275	25	13,958
(*c*) Other works ..	..	796	74	41	458	329	1,126	..	..	2,824
VIII. Demarcation, improvement and extension of forests—										
(*a*) Demarcation ..	..	1,565	1,048	807	959	210	630	796	46	6,061
(*b*) Cost of forest settlement; compensation for land and rights ..	..	82	132	31	923	..	— 10	180	..	1,338
(*c*) Surveys—										
(1) Local ..	296	912	330	367	269	257	820	360	..	3,611
(2) Imperial ..	16,953	..	..	..	..	..	..	..	..	16,953
(*d*) Working plans.	33	221	33	49	152	121	107	185	..	901
(*e*) Sowing and planting ..	..	10,983	1,051	578	1,581	2,104	58	942	722	18,019
(*f*) Protection from fire	..	1,152	4,316	536	4,452	2,091	1,859	146	..	14,552
(*g*) Other works ..	..	1,664	3,042	1,956	7,877	8,560	7,979	3,655	499	35,232
IX. Miscellaneous—										
(*a*) Law charges ..	1	29	24	1	26	— 151	72	193	..	195
(*b*) Other charges ..	1	10	49	20	749	20	223	99	..	1,171
Total, A—Conservancy and works	20,931	61,095	27,994	9,545	40,754	17,217	1,17,149	20,005	5,738	3,20,428

MADRAS,
1st September 1902.

(Signed) W. I. BRYNING,
Chief Superintendent.

ANNUAL FORM No. 59—*cont.*

Forest Department, Madras Presidency, Southern Circle.

Summary of Expenditure of the different Districts for the Forest year 1901-1902—*cont.*

Budget heads.	Direction.	The Nilgiris.	North Coimbatore.	South Coimbatore.	Madura.	Tinnevelly.	North Malabar.	South Malabar.	South Canara.	Total.
	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
I.—Refunds and Drawbacks.		156	61	3,141	2,987	442	1,868	22	233	8,910
I. Timber and other produce removed from the forests by Government Agency—										
(*a*) Timber ..	— 10	2,731	801	13,406	225	251	10,013	9,688	3,703	40,808
(*b*) Firewood and charcoal ..	..	13,377	..	1,503	8,337	3,019	13	..	132	26,381
(*c*) Bamboos ..	..	..	489	..	..	..	291	341	112	1,233
(*d*) Sandalwood ..	..	220	6,007	..	..	4	..	..	..	6,231
(*e*) Grass and other minor produce.	..	2,228	5,388	2,876	..	29	1,140	..	5,951	17,612
II. Timber and other produce removed from the forests by consumers or purchasers ..	..	1,043	3,362	6,385	3,189	1,038	449	31	4,889	20,386
III. Confiscated drift and waifwood	..	..	11	194	1	33	4	4	12	259
IV. Revenue from forests not managed by Government	..	..	..	..	..	..	..	..	..	..
V. Rent of leased forests and payments to shareholders in forests managed by Government	..	4,260	..	2,500	..	..	..	3,948	..	10,708
VI. Live-stock, stores, tools and plant—										
(*a*) Purchase of cattle ..	..	..	..	444	..	..	1,494	563	..	2,501
(*b*) Feed and keep of cattle ..	..	2,501	..	8,247	..	..	13,496	6,833	1,251	32,328
(*c*) Stores, tools and plant ..	171	179	458	2,328	431	427	158	1,112	624	5,888
VII. Communications and buildings—										
(*a*) Roads and bridges ..	..	1,412	20,434	2,497	123	4,326	1,902	1,280	46	32,020
(*b*) Buildings ..	..	1,076	4,134	5,573	2,593	2,232	2,495	4,192	1,939	24,234
(*c*) Other works ..	..	89	343	3,725	325	10	204	160	30	4,886
VIII. Demarcation, improvement and extension of forests—										
(*a*) Demarcation ..	..	1,770	3,495	69	721	1,470	214	549	4,862	13,150
(*b*) Cost of forest settlement; compensation for land and rights ..	..	..	41	..	115	1,312	..	..	..	1,468
(*c*) Surveys—										
(1) Local ..	..	360	360	62	208	373	284	129	867	2,643
(2) Imperial ..	25,686	..	..	..	..	..	..	..	..	25,686
(*d*) Working plans.	583	..	..	..	157	..	15	122	..	877
(*e*) Sowing and planting ..	23	1,742	113	184	394	337	2,460	9,499	120	14,872
(*f*) Protection from fire	..	2,185	1,103	2,345	1,733	2,299	879	2,686	1,254	14,484
(*g*) Other works ..	..	884	5,967	1,309	7,469	4,069	1,113	1,147	87	22,045
IX. Miscellaneous—										
(*a*) Law charges ..	1	— 3	..	..	..	32	..	1	329	360
(*b*) Other charges ..	308	2,981	210	858	106	137	129	253	185	5,167
Total A, Conservancy and works ..	26,762	39,191	52,777	57,646	29,114	21,840	38,621	42,560	26,626	3,35,137

MADRAS,
1st September 1902.

(Signed) W. I. BRYNING,
Chief Superintendent.

ANNUAL FORM No. 59—*cont.*

SUMMARY of Expenditure of the different Districts for the Forest year 1901–1902.

Budget heads.	Northern Circle.									Central Circle.										Southern Circle.									
	Direction.	Ganjam.	Vizagapatam.	Godavari.	Kistna.	Kurnool.	Bellary.	Anantapur.	Total.	Direction.	Nellore.	Cuddapah.	Chingleput.	North Arcot.	South Arcot.	Salem.	Trichinopoly.	Tanjore.	Total.	Direction.	Nilgiris.	North Coimbatore.	South Coimbatore.	Madura.	Tinnevelly.	North Malabar.	South Malabar.	South Canara.	Total.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
B.—"*Establishments.*"	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
Brought forward, Total A. "Conservancy and Works" and I. Refunds	22,387	16,124	12,145	38,877	36,141	55,370	41,915	8,751	2,31,666	20,031	61,095	27,994	9,545	40,754	17,217	1,17,141	20,005	5,758	3,20,426	26,762	39,191	52,777	57,646	29,114	21,840	38,621	42,560	26,626	3,35,157
I. Salaries—																													
(*a*) Conservators ...	12,101	...	...	...	...	...	...	...	19,101	14,305	...	...	...	...	...	...	...	...	14,305	18,750	...	...	...	...	...	...	...	...	18,750
(*b*) Superior officers ...	14,695	6,848	7,054	9,000	5,430	14,174	6,526	6,207	69,934	11,712	12,900	14,074	6,651	14,851	7,107	21,373	5,010	...	93,678	12,675	11,814	12,475	7,800	4,697	10,663	9,317	4,319	7,488	81,443
(*c*) Subordinate forest and depot establishments ...	2,904	9,631	5,367	11,589	10,575	13,726	8,536	5,854	68,182	3,525	11,022	14,602	5,618	15,205	10,435	16,752	7,018	1,969	86,146	1,726	12,778	9,850	10,618	9,131	11,910	7,579	6,422	9,005	79,829
(*d*) Office establishments.	10,202	3,083	2,026	4,607	4,034	4,619	2,994	2,251	33,816	9,784	4,803	5,096	2,090	4,520	4,224	5,927	2,984	977	40,405	2,633	4,322	3,874	3,715	4,034	3,396	3,568	2,592	4,285	29,429
(*e*) Exchange compensation allowances ...	1,641	412	453	413	...	843	418	394	4,574	1,239	...	400	125	708	326	944	41	...	3,873	1,678	44	779	488	202	591	453	206	462	4,903
II. Travelling allowances—																													
(*a*) Conservators ...	2,985	...	...	...	...	...	...	...	2,985	2,455	...	...	...	...	...	...	...	...	2,455	3,088	...	...	— 10	...	...	...	...	...	3,078
(*b*) Superior officers ...	4,662	1,041	1,269	2,217	861	3,382	1,123	1,494	16,049	3,090	1,949	2,466	841	2,066	704	3,324	1,059	105	16,504	3,806	1,265	2,386	1,318	1,139	1,612	2,424	566	1,494	16,015
(*c*) Subordinate forest and depot establishments ...	1,169	2,097	1,491	3,019	2,934	4,043	2,296	1,230	18,189	1,294	3,146	3,726	1,634	3,766	2,555	5,806	2,406	1,263	25,596	577	2,370	3,544	2,452	3,068	5,003	1,991	2,274	2,685	22,964
(*d*) Office establishments	2,249	430	239	664	729	652	358	718	6,039	1,782	1,013	781	405	1,245	688	671	533	183	7,303	2,298	193	656	434	738	533	731	598	767	6,956
III. Contingencies—																													
(*a*) Stationery ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
(*b*) Rents, rates and taxes	771	91	418	758	135	167	158	76	1,974	...	103	309	32	170	28	76	41	...	759	59	232	137	68	25	256	55	23	29	894
(*c*) Official postage ...	711	533	397	1,339	1,255	1,281	904	847	7,267	565	528	1,016	663	1,574	1,524	2,489	676	188	9,223	462	566	854	467	712	814	317	325	1,059	5,556
(*d*) Service telegrams.	164	44	44	38	87	99	19	25	520	62	17	21	2	148	13	26	15	19	323	104	21	6	14	33	27	12	32	16	245
(*e*) Sundries	1,754	1,022	477	2,601	1,130	1,113	850	920	9,867	1,730	881	1,306	462	2,391	190	2,027	336	151	10,274	1,433	668	1,959	806	991	1,019	1,047	847	703	9,533
Total B.—"Establishments" ...	63,008	25,142	19,235	35,645	27,170	44,099	24,182	20,016	2,58,497	51,543	36,362	43,887	18,523	47,544	28,594	59,409	20,121	4,861	3,10,844	56,219	34,083	36,500	29,225	25,880	43,824	27,592	18,264	27,888	2,89,555
Grand Total of Expenditure.	85,345	41,266	31,380	74,522	63,311	99,469	66,097	28,767	4,90,157	72,474	97,457	71,881	28,068	88,298	45,811	1,76,558	40,126	10,599	6,31,272	83,061	73,274	89,277	86,871	54,994	65,664	66,213	60,824	54,514	6,24,692

MADRAS,
1st September 1902.

(Signed) W. I. BRYNING,
Chief Superintendent.

SUMMARY of Receipts and Expenditure during 1901–1902 for each circle and for the presidency prepared in the Board's office from the Accountant-General's statement.

Budget heads.	Northern Circle.	Central Circle.	Southern Circle.	Grand Total, Presidency.	
				1901–1902.	1900–1901.
1	2	3	4	5	6
RECEIPTS.	RS.	RS.	RS.	RS.	RS.
I. Timber and other produce removed from the forests by Government Agency—					
(a) Timber	20,712	9,971	1,15,669	1,46,352	2,77,285
(b) Firewood	66,345	2,02,091	27,921	2,96,357	2,12,429
(c) Bamboos	219	179	1,764	2,162	7,821
(d) Sandalwood	1,467	5,857	14,108	21,432	41,208
(e) Grass and other minor produce	406	3,459	36,798	40,663	47,195
Total, I	89,149	2,21,557	1,96,260	5,06,966	5,85,938
II. Timber and other produce removed from the forests by consumers or purchasers—					
(a) Timber	1,26,256	61,264	52,108	2,39,628	2,79,553
(b) Firewood and charcoal	63,928	1,54,173	1,06,571	3,24,672	3,15,946
(c) Bamboos	94,491	57,653	25,761	1,77,905	1,50,206
(d) Grazing and fodder grass	2,22,359	2,35,118	82,591	5,40,068	5,10,451
(e) Other produce	2,46,141	2,36,486	88,273	5,70,900	4,75,916
Total, II	7,53,175	7,44,694	3,55,304	18,53,173	17,32,072
III. Confiscated drift and waifwood	10,436	2,785	2,649	15,870	13,347
V. Miscellaneous—					
(a) Fines and forfeitures	984	4,297	547	5,828	5,744
(b) Other sources	32,837	49,253	32,567	1,14,657	1,06,672
Total, V	33,821	53,550	33,114	1,20,485	1,12,416
Grand Total, Receipts	8,86,581	10,22,586	5,87,327	24,96,494	24,43,773
EXPENDITURE.					
A.—Conservancy and Works.					
Refunds	2,175	15,727	8,910	26,812	15,026
I. Timber and other produce removed from the forests by Government Agency—					
(a) Timber	11,026	6,446	40,808	58,280	1,49,170
(b) Firewood	43,965	1,26,284	26,381	1,96,630	1,27,214
(c) Bamboos	57	58	1,233	1,348	8,449
(d) Sandalwood	269	838	6,231	7,338	7,545
(e) Grass and other minor produce	144	3,204	17,612	20,960	20,899
Total, A-I	55,461	1,36,830	92,265	2,84,556	3,13,277
II. Timber and other produce removed from the forests by consumers or purchasers	52,452	33,218	20,386	1,06,056	1,04,014
III. Confiscated drift and waifwood	1,357	173	259	1,789	1,781
V. Rent of leased forests and payments to shareholders in forests managed by Government	10,000	..	10,708	20,708	17,905
VI. Live-stock, stores, tools and plant—					
(a) Purchase of cattle	1,279	..	2,501	3,780	3,884
(b) Feed and upkeep of cattle	3,338	..	32,328	35,666	41,884
(c) Stores, tools and plant	5,046	6,164	5,888	17,098	16,581
Total, A-VI	9,663	6,164	40,717	56,544	62,349
VII. Communications and buildings—					
(a) Roads and bridges	8,489	13,501	32,020	54,010	32,483
(b) Buildings	10,645	13,958	24,234	48,837	42,377
(c) Other works	3,281	2,824	4,886	10,991	6,960
Total, A-VII	22,415	30,283	61,140	1,13,838	81,820
VIII. Demarcation, improvement and extension of forests—					
(a) Demarcation	11,338	6,061	13,150	30,549	29,614
(b) Cost of forest settlement, compensation for land and rights	1,478	1,338	1,468	4,284	3,952
(c) (1) Local surveys	5,533	3,611	2,643	11,787	13,992
(c) (2) Surveys of India	19,486	16,953	25,686	62,125	68,448
(d) Working plans	504	901	877	2,282	2,568
(e) Sowing and planting	10,986	18,019	14,872	43,877	46,804
(f) Protection from fire	9,102	14,552	14,484	38,138	34,206
(g) Other works	19,200	35,232	22,045	76,477	73,656
Total, A-VIII	77,627	96,667	95,225	2,69,519	2,73,240

Summary of Receipts and Expenditure during 1901–1902 for each circle and for the presidency prepared in the Board's office from the Accountant-General's statement—*cont.*

Budget heads.	Northern Circle.	Central Circle.	Southern Circle.	Grand Total, Presidency.	
				1901–1902.	1900–1901.
1	2	3	4	5	6
EXPENDITURE—*cont.*					
A.—Conservancy and Works—cont.	Rs.	Rs.	Rs.	Rs.	Rs.
IX. Miscellaneous—					
(*a*) Law charges	57	195	360	612	563
(*b*) Other charges	453	1,171	5,167	6,791	6,075
Total, A-IX ..	510	1,366	5,527	7,403	6,638
Total, A.—Conservancy and Works ..	2,31,660	3,20,428	3,35,137	8,87,225	8,76,050
B.—Establishments.					
I. Salaries—					
(*a*) Conservators	19,101	14,305	18,750	52,156	49,598
(*b*) Superior officers	69,934	93,678	81,443	2,45,055	2,51,646
(*c*) Subordinate forestand depot establishments.	68,182	86,146	79,829	2,34,157	2,35,957
(*d*) Office establishments	33,816	40,405	39,429	1,13,650	1,09,919
(*e*) Deputation and Special allowances ..	..	..	..	..	..
(*f*) Exchange compensation allowances ..	4,574	3,873	4,963	13,410	14,063
Total, B-I ..	1,95,607	2,38,407	2,24,414	6,58,428	6,61,183
II. Travelling allowances—					
(*a*) Conservators	2,985	2,455	3,078	8,518	9,893
(*b*) Superior officers	16,049	16,504	16,015	48,568	50,716
(*c*) Subordinate forest and depot establishments.	18,189	25,596	22,964	66,749	65,503
(*d*) Office establishments	6,039	7,303	6,956	20,298	19,634
Total, B-II ..	43,262	51,858	49,013	1,44,133	1,45,746
III. Contingencies—					
(*a*) Stationery	..	..	..	..	..
(*b*) Rents, rates and taxes	1,974	759	894	3,627	2,994
(*c*) Official postage and service telegrams ..	7,787	9,546	5,701	23,034	21,917
(*d*) Sundries	9,867	10,274	9,533	29,674	30,300
Total, B-III ..	19,628	20,579	16,128	56,335	55,211
Total, B.—Establishments ..	2,58,497	3,10,844	2,89,555	8,58,896	8,62,140
Grand Total, Expenditure ..	4,90,157	6,31,272	6,24,692	17,46,121	17,38,190
Surplus ..	+ 3,96,424	+ 3,91,314	— 37,365	+ 7,50,373	7,05,583
Deficit ..	..	..	..	..	..
Total ..	8,86,581	10,22,586	5,87,327	24,96,494	24,43,773

ANNUAL FORM No. 60.

Forest Department, Madras Presidency.

OUTSTANDINGS and Liabilities on account of Contractors and Disbursers for the Forest year 1901–1902.

	District.	Department Debtor.			Department Creditor.			Balance Due	
		At commencement of year.	Recoveries in cash and value of supplies and work done during the year.	At close of year.	At commencement of year.	Payments made during year.	At close of year.	To department (outstandings).	By department (liabilities).
			RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	
Northern Circle.	Conservator, Northern Circle	..	6,741 10 10	6,741 10 10	119 3 0	6,655 5 3	6,774 8 3	32 13 5	..
	Forest Settlement-officer, Kistna, &c., districts.	..	463 0 6	463 0 6	36 11 8	469 8 0	506 3 8	43 3 2	..
	Forest Working Plans Officer	..	1,002 15 9	1,002 15 9	30 15 10	973 10 2	1,004 10 0	1 10 3	..
	Ganjám	..	33,493 3 3	33,493 3 3	573 7 5	34,145 9 4	34,719 0 9	1,225 13 6	..
	Vizagapatam	..	20,575 9 4	20,575 9 4	1,387 9 6	19,435 2 10	20,822 12 4	247 3 0	..
	Gódávari	..	64,843 15 7	64,843 15 7	15,60 3 6	65,113 10 3	66,673 13 9	1,829 14 2	..
	Kistna	..	62,977 5 3	62,977 5 3	1,122 6 5	62,902 11 7	64,025 2 0	1,047 12 9	..
	Kurnool	..	87,678 4 11	87,678 4 11	2,529 3 3	88,996 4 1	91,525 7 4	3,847 2 5	..
	Bellary	..	67,462 4 6	67,462 4 6	1,778 13 7	67,725 1 7	69,503 15 2	2,041 10 8	..
	Anantapur	..	20,268 2 8	20,268 2 8	787 11 7	20,736 10 5	21,524 6 0	1,256 3 4	..
	Total	..	3,65,506 8 7	3,65,506 8 7	9,926 5 9	3,67,153 9 6	3,77,079 15 3	11,573 6 8	..
Central Circle.	Conservator, Central Circle	..	1,899 3 9	1,899 3 9	31 13 7	2,346 7 6	2,378 5 1	479 1 4	..
	Forest Settlement-officer, Trichinopoly, &c., districts	..	2,092 2 1	2,092 2 1	87 11 1	2,067 2 6	2,154 13 7	62 11 6	..
	Forest Working Plans Officer	..	1,877 14 11	1,877 14 11	—947 14 8	2,840 11 2	1,892 12 6	14 13 7	..
	Nellore	..	73,978 1 0	73,978 1 0	1,894 4 11	74,079 12 10	75,974 1 9	1,996 0 9	..
	Cuddapah	..	56,007 5 4	56,007 5 4	1,934 8 7	54,848 13 4	56,783 5 11	776 0 7	..
	Chingleput	..	20,646 15 1	20,646 15 1	159 4 5	20,716 2 7	20,575 7 0	228 7 11	..
	North Arcot	..	86,674 0 3	86,674 0 3	26,75 14 0	86,441 6 8	89,117 4 8	2,443 4 5	..
	South do.	..	38,786 10 6	38,786 10 6	1,313 12 7	38,276 1 6	39,589 14 1	803 3 7	..
	Salem	..	1,11,191 12 3	1,11,191 12 3	3,449 14 7	1,11,120 15 11	1,14,570 14 6	1,195 12 5 * / 2,183 5 10 †	..
	Trichinopoly	..	31,516 6 10	31,516 6 10	2,882 4 7	29,321 2 2	32,203 6 9	686 15 11	..
	Tanjore	..	11,994 6 9	11,994 6 9	559 2 9	11,759 3 10	12,318 6 7	323 15 10	..
	Total	..	4,36,664 14 9	4,36,664 14 9	14,040 12 5	4,33,818 0 0	4,47,858 12 5	11,193 13 8	..
Southern Circle.	Conservator, Southern Circle	..	6,922 12 5	6,922 12 5	18 6 9	6,926 4 7	6,944 11 4	21 14 11	..
	Forest Settlement-officer, Malabar, &c., districts.	..	12 4 11	12 4 11	12 4 11	..	12 4 11	..	..
	Forest Settlement-officer, Trichinopoly, &c., districts	..	2,092 2 2	2,092 2 2	62 14 2	2,067 2 6	2,130 0 8	37 14 6	..
	Forest Working Plans Officer	..	265 8 0	265 8 0	36 0 0	227 0 0	263 0 0	— 2 8 0	..
	The Nilgiris	..	60,324 8 4	60,324 8 4	2,137 14 5	59,873 6 0	62,011 4 5	1,686 12 1	..
	North Coimbatore	..	91,407 14 2	91,407 14 2	1,837 13 0	93,994 8 6	95,832 5 6	4,424 7 4	..
	South do.	..	57,612 12 9	57,612 12 9	1,874 1 2	57,370 14 7	59,244 15 9	1,632 3 0	..
	Madura	..	48,401 13 7	48,401 13 7	679 5 11	48,034 15 9	48,714 5 8	312 8 1	..
	Tinnevelly	..	48,189 1 9	48,189 1 9	735 7 9	49,281 10 6	50,017 2 3	1,828 0 6	..
	North Malabar	..	47,929 15 11	47,929 15 11	2,386 15 0	48,227 11 7	50,614 10 7	2,684 10 8	..
	South do.	..	52,946 11 4	52,946 11 4	3,556 3 0	50,421 7 7	53,977 10 7	1,030 15 3	..
	South Canara	..	40,545 12 2	40,545 12 2	1,133 11 2	40,300 8 1	41,434 3 3	888 7 1	..
	Total	..	4,56,651 5 6	4,56,651 5 6	14,471 1 3	4,56,725 9 8	4,71,196 10 11	14,545 5 5	..

* North Salem.

† South Salem.

MADRAS,
1st September 1902.

(Signed) W. I. BRYNING,
Chief Superintendent.

ANNUAL FORM No. 61.

Forest Department, Madras Presidency.

REVENUE received and Outstandings on account of Revenue during the Forest year 1901–1902.

District.	Particulars.	Outstandings at commencement of year.	Value of sales and other revenue during year.	Total.	Amount realized during year.	Balance due to the department at end of year.
		RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.
Direction	Timber and other forest produce ..	..	1 0 0	1 0 0	1 0 0	..
Ganjám	Do. do.	..	67,547 1 0	67,547 1 0	67,366 13 11	180 3 1
Vizagapatam	Do. do.	..	41,780 0 9	41,780 0 9	41,068 0 9	712 0 0
Gódávari	Do. do.	4,706 4 9	1,87,663 5 1	1,92,369 9 10	1,90,433 10 4	1,935 15 6
Kistna	Do. do.	7,503 13 11	1,30,534 13 11	1,38,038 11 10	1,36,921 3 0	1,117 8 10
Kurnool	Do. do.	13,952 2 4	1,86,097 9 10	2,00,049 12 2	1,93,432 7 6 (*a*) + 35 4 0	6,582 0 8
Bellary	Do. do.	296 3 2	1,66,537 1 9	1,66,833 4 11	1,49,688 7 9	17,144 13 2
Anantapur	Do. do.	29,112 8 4	93,116 5 3	1,22,228 13 7	1,01,055 5 3 (*b*) + 1,887 0 0 (*c*) + 1,540 0 0 (*a*) + 900 5 10	16,846 2 6
	Total ..	55,571 0 6	8,73,277 5 7	9,28,848 6 1	8,79,967 0 6 + 4,362 9 10	44,518 11 9
Direction	Timber and other forest produce ..	..	..	..	..	..
Nellore	Do. do.	4,445 2 3	2,07,609 4 7	2,12,054 6 10	2,03,537 0 0	8,517 6 10
Cuddapah	Do. do.	7,390 7 9	1,13,664 3 9	1,21,054 11 6	1,17,812 0 6 (*d*) + 2 5 6	3,240 6 0
Chingleput	Do. do.	4,441 15 8	38,825 11 4	43,267 11 0	41,734 0 0 (*e*) + 17 8 0	1,516 3 0
North Arcot	Do. do.	50,771 15 11	92,542 9 10	1,43,314 9 9	1,10,585 0 0	32,729 9 9
South Arcot	Do do.	4,028 5 4	1,18,778 8 3	1,22,806 13 7	1,19,808 0 0 (*f*) + 150 0 0 (*g*) + 10 12 0	2,838 1 7
Tanjore	Do. do.	1,614 7 0	23,955 7 3	25,569 14 3	23,508 0 0	2,061 14 3
Trichinopoly	Do. do.	11,225 5 2	85,919 3 3	97,144 8 5	88,093 0 0	9,051 8 5
Salem	Do. do.	10,018 8 9	3,22,727 15 9	3,32,746 8 6	3,17,507 0 0	*10,124 3 0 †5,115 5 6
	Total ..	93,936 3 10	10,04,023 0 0	10,97,959 3 10	10,22,584 0 0 +(*a* to *g*) 180 9 6	75,194 10 4
Direction	Timber and other forest produce ..	..	1 0 0	1 0 0	1 0 0	..
South Canara	Do. do.	6,708 0 0 (*h*) — 205 0 0	62,946 0 0	69,449 0 0	57,121 0 0	12,328 0 0
North Malabar	Do. do.	6,404 0 0	24,612 0 0	31,016 0 0	26,784 0 0	4,232 0 0
South do.	Do. do.	23,890 0 0 (*i*) — 1,744 0 0	72,818 0 0	94,964 0 0	93,516 0 0 (*k*) + 331 0 0	1,117 0 0
The Nilgiris	Do. do.	1,030 0 0	52,553 0 0	53,583 0 0	49,817 0 0 (*l*) + 29 0 0	3,737 0 0
North Coimbatore ..	Do. do.	8,284 0 0	85,312 0 0	93,596 0 0	92,052 0 0	1,544 0 0
South do.	Do. do.	1,140 0 0	96,930 0 0	98,070 0 0	94,167 0 0	3,903 0 0
Madura	Do. do.	7,879 0 0 (*j*) — 281 0 0	1,05,150 0 0	1,12,748 0 0	95,321 0 0 (*m*) + 6,096 0 0	11,331 0 0
Tinnevelly	Do. do.	1,100 0 0	92,853 0 0	93,953 0 0	78,548 0 0	15,405 0 0
	Total ..	56,435 0 0 — 2,230 0 0	5,93,175 0 0	6,47,380 0 0	5,87,327 0 0 + 6,456 0 4	53,597 0 0

(*a*) Written off under Government Order, No. 468, Revenue, dated 28th May 1902, in Board's Proceedings, No. 137, dated 16th June 1902.

(*b*) Written off under Government Order, No. 748, Revenue, dated 23rd August 1901, in Board's Proceedings, No. 219, dated 12th September 1901.

(*c*) Written off under Government Order, No. 504, Revenue, dated 31st August 1898, in Board's Proceedings, No. 249, dated 17th September 1898.

(*d*) Written off under Government Order, No. 435, Revenue, dated 30th May 1901, in Board's Proceedings, No. 150, Land Revenue, dated 8th July 1901.

(*e*) Written off under Government Order, No. 1060, Revenue, dated 14th November 1901, in Board's Proceedings, No. 284, Land Revenue, dated 28th December 1901.

(*f*) Written off under Government Order, No. 235, Revenue, dated 19th March 1901, in Board's Proceedings, No. 61, dated 24th March 1901.

(*g*) Written off under Government Order, No. 748, Revenue, dated 23rd August 1901, in Board's Proceedings, No. 219, dated 12th September 1901.

(*h*) Deducted on account of the following :—

	RS.
Cancellation of lease	31
Deduction from demand under Collector's order sanctioning reduced seigniorage rates	156
Already collected in the previous year, but not shown as collection of outstanding	18
	205

(*i*) Deduction due to—

	RS.
Error in the demand fixed originally	1,564
Want of produce for removal	180
	1,744

(*j*) Deduction due to—

Cancellation of leases	278
Deficit found on survey of cardamom areas assigned	3
	281

(*k*) Written off the accounts under Government Order, No. 468, Revenue, dated 28th May 1902.
(*l*) Do. do. do. ,, 469 ,, ,, 5th June 1901.
(*m*) Do. do. do. ,, 1060 ,, ,, 14th November 1901.

* South. † North.

REMARKS.—Accountant-General's monthly summary statements for the Northern Circle give Rs. 8,79,967-0-6 under column "amounts realized during year". Annual Form No. 59 furnished by the same officer shows Rs. 8,80,581 as total receipts for the circle.

Annual Form No. 62.

Forest Department, Madras Presidency.

Financial Results of the year 1901–1902.

Districts.	Timber and other produce removed from the forests by Government Agency.		Other revenue.		Formation, protection and improvement of forests.	Total.	
	Receipts.	Charges.	Receipts.	Charges.	Charges.	Receipts.	Charges.
Northern Circle.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Ganjám	7,150	9,841	60,759	19,078	18,933	67,909	47,852
Vizagapatam	4,547	7,677	36,520	15,191	12,902	41,067	35,770
Gódávari	14,185	15,745	1,76,431	37,661	32,093	1,90,616	85,499
Kistna	8,576	14,403	1,30,992	23,705	38,375	1,39,568	76,483
Karnool	38,886	49,626	1,56,501	31,438	51,063	1,95,387	1,32,127
Bellary	23,911	30,628	1,25,772	17,547	26,793	1,49,683	74,878
Anantapur	40	107	1,02,311	17,295	20,146	1,02,351	37,548
Total ..	97,295	1,28,027	7,89,286	1,61,825	2,00,305	8,86,581	4,90,157
Central Circle.							
Cuddapah	3,811	9,188	1,14,001	43,414	46,837	1,17,812	99,439
Nellore	50,191	32,578	1,53,346	39,624	31,544	2,03,537	1,03,746
Chingleput	5,993	2,376	35,741	15,934	12,901	41,734	31,211
North Arcot	4,861	5,982	1,05,724	34,408	56,182	1,10,585	96,572
South do.	542	3,200	1,19,266	22,574	27,768	1,19,808	53,542
Salem	1,32,608	1,05,519	1,84,901	41,390	41,260	3,17,509	1,88,169
Trichinopoly	18,988	12,683	69,105	17,591	16,431	88,093	46,705
Tanjore	4,563	4,433	18,945	4,623	2,832	23,508	11,888
Total ..	2,21,557	1,75,959	8,01,029	2,19,558	2,35,755	10,22,586	6,31,272
Southern Circle.							
South Canara	20,628	27,259	36,493	11,725	47,020	57,121	86,004
North Malabar	16,327	52,179	10,457	2,726	18,326	26,784	73,231
South do.	67,293	29,417	26,223	227	37,640	93,516	67,284
The Nilgiris	28,214	46,028	21,603	4,381	30,614	49,817	81,023
North Coimbatore ..	26,341	24,762	65,711	6,503	67,422	92,052	98,687
South do. ..	31,422	51,014	62,746	14,041	30,977	94,168	96,032
Madura	1,093	21,962	94,228	9,842	29,044	95,321	60,848
Tinnevelly	4,942	11,323	73,606	3,812	46,448	78,548	61,583
Total ..	1,96,266	2,63,944	3,91,067	53,257	3,07,491	5,87,327	6,24,692
Grand Total ..	5,15,112	5,67,930	19,81,382	4,34,640	7,43,551	24,96,494	17,46,121

ANNUAL FORM

Forest Department,

ABSTRACT showing the Value of Live-stock,

Districts.	Surveying, &c., instruments				Tools			
	On hand at the commencement of the year.		On hand at the end of the year.		On hand at the commencement of the year.		On hand at the end of the year.	
	Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.
1	2	3	4	5	6	7	8	9
Northern Circle.		RS.		RS.		RS.		RS.
Direction	45	750	45	712	11	10	11	9
Ganjám	49	623	56	560	311	237	334	239
Vizagapatam	35	1,034	35	978	246	576	236	526
Gódávari	117	782	125	848	1,080	2,424	1,084	2,363
Kistna	76	761	79	959	459	338	436	294
Kurnool	82	769	110	825	839	637	839	874
Bellary	155	309	157	338	394	387	416	405
Anantapur	71	210	50	224	493	761	179	137
Total, Northern Circle ..	630	5,238	657	5,444	3,833	5,370	3,530	4,847
Central Circle.								
Direction	46	858	46	818	6	13	6	11
Cuddapah	87	1,029	87	978	443	1,122	447	1,084
Nellore	143	888	161	861	1,037	320	1,132	269
Chingleput	39	369	47	518	417	441	367	449
North Arcot	190	1,431	188	1,412	1,457 cwt. 33	1,744 107	1,635 cwt. 33	2,211 102
South do.	106	1,100	104	976	263	11	237	10
Salem (*a*)	159	1,627	162	1,500	2,356	2,000	2,670	1,966
Trichinopoly	42	147	43	222	166	74	176	105
Tanjore	20	75	20	74	71	37	45	25
Total, Central Circle ..	832	7,524	858	7,359	6,216 cwt. 33	5,762 107	6,715 cwt. 33	6,130 102
Southern Circle.								
Direction	57	1,235	50	715	3	45	7	48
South Canara	119	879	116	789	481	621	434	566
North Malabar	26	963	25	850	535	1,348	369	1,180
South do.	34	539	36	543	778	422	726	419
The Nilgiris	129	1,070	116	986	649	1,684	771	1,022
North Coimbatore	73	771	77	766	555	479	880	1,066
South do.	80	798	79	779	1,792	2,793	1,941	2,782
Madura	112	2,190	124	2,172	266	337	257	322
Tinnevelly	130	712	128	622	539	146	440	92
Total, Southern Circle ..	760	9,157	751	8,222	5,598	7,825	5,825	7,497
Total, Presidency ..	2,222	21,919	2,266	21,025	15,647 cwt. 33	19,064	16,070 cwt. 33	18,576

(*a*) The difference in the number of articles under each head as compared with those of the previous year is due to the transfer of some of them from one head to another.

No. 64.

Madras Presidency.

Stores, Tools and Plant for 1901–1902.

Machinery				Furniture				Building materials, small stores, tents, boats, &c.			
On hand at the commencement of the year.		On hand at the end of the year.		On hand at the commencement of the year.		On hand at the end of the year.		On hand at the commencement of the year.		On hand at the end of the year	
Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.
10	11	12	13	14	15	16	17	18	19	20	21
	Rs.		Rs.		Rs.		Rs.		Rs.		Rs.
..	..	..	..	114	690	114	655	16	1,140	16	1,072
..	..	..	..	176	2,106	203	1,696	..	..	..	..
..	..	..	..	..	..	..	..	..	..	..	..
..	..	..	..	528	2,865	620	3,263	29	5,547	38	6,756
..	..	..	..	165	588	171	584	11	3,653	9	3,614
..	..	..	..	151	516	155	526	7	1,515	9	2,069
..	..	..	..	82	458	82	414	12	1,375	12	1,285
..	..	..	..	127	730	213	764	10	1,465	39	1,770
..	..	..	..	1,343	7,953	1,558	7,902	85	14,695	123	16,566
..	..	..	..	131	692	135	556	8	644	8	580
1	28	1	27	153	716	205	929	25	2,101	29	2,063
13¾ mls. 57	18,313	13¼ mls. 57	15,362	135	602	158	641	12	5,100	19	7,359
..	..	..	..	169	909	184	961	4	642	6	462
17	1,972	26	1,942	751	2,442	938	3,078	21	2,248	18	1,999
5	148	5	137	1,182	1,081	220	967	17	2,334	17	1,946
2	21	6	325	530	2,041	548	2,000	..	..	..	..
..	..	..	..	155	861	155	861	4	618	12	1,748
..	..	..	..	53	361	53	361	..	..	..	..
82 13¼ mls.	20,482	95 13¼ mls.	17,793	3,259	9,705	2,596	10,354	91	14,687	109	16,157
..	..	..	..	105	843	124	1,075	6	697	6	662
..	..	..	..	191	1,460	194	1,361	12	1,504	14	1,631
..	..	..	..	141	986	136	900	4	702	4	685
27	97	25	94	134	833	146	923	4	266	4	233
1	200	1	150	154	1,265	172	1,079	8	896	9	900
..	..	..	..	218	535	258	564	94	997	92	796
8,291	..	8,350	..	305	1,959	330	1,985	13	1,449	13	1,420
4	13	5	6	252	1,979	275	2,117	617	1,430	596	1,685
..	..	..	..	548	706	554	615	24	208	24	547
8,323	310	8,381	250	2,048	10,566	2,189	10,619	782	8,149	762	8,559
8,405 13¼ mls.	20,792	8,476 ft. 13¼ mls.	18,043	6,650	28,224	6,343	28,375	958	36,531	994	41,28

N.B.—The variations in the figures in the closing balance of the previous year and the opening balance of the year under report has not been explained in many districts.

Abstract showing the Value of Live-stock

Districts.	Buildings				Live-stock			
	On hand at the commencement of the year.		On hand at the end of the year.		On hand at the commencement of the year.		On hand at the end of the year.	
	Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.
	22	23	24	25	26	27	28	29
Northern Circle.		RS.		RS.		RS.		RS.
Direction	..	..	..	..	..	..	..	..
Ganjám	39	16,969	45	17,782	..	..	..	..
Vizagapatam	..	..	..	..	..	..	..	..
Gódávari	91	33,030	93	33,600	1	..	1	..
Kistna	61	11,991	66	12,057	..	..	..	..
Kurnool	62	37,840	54	36,170	2	2,600	66	4,841
Bellary	26	4,562	26	4,336	6	350	52	1,730
Anantapur	19	16,619	17	16,619	..	..	..	..
Total, Northern Circle	298	1,21,011	301	1,20,564	9	2,950	119	6,571
Central Circle.								
Direction	..	..	..	..	..	..	..	..
Cuddapah	121	21,247	117	21,137	2	56	2	56
Nellore	..	..	..	..	..	..	..	..
Chingleput	18	6,070	20	6,165	..	..	..	..
North Arcot	68	12,789	122	17,458	..	..	..	..
South do.	19	16,847	19	16,322	..	..	..	..
Salem	30	18,646	31	17,000	..	..	..	..
Trichinopoly	6	3,797	8	4,072	..	..	..	..
Tanjore	7	566	7	566	..	..	..	..
Total, Central Circle	269	79,962	324	82,720	2	56	2	56
Southern Circle.								
Direction	..	..	..	..	..	..	..	..
South Canara	17	9,700	19	9,965	3	5,000	3	5,000
North Malabar	..	..	..	..	20	34,750	22	33,650
South do.	29	37,025	24	33,344	15	25,312	18	26,612
The Nilgiris	75	12,701	76	9,970	4	3,600	4	3,800
North Coimbatore	67	23,561	71	29,283	..	..	..	..
South do.	69	39,736	81	40,788	26	6,500	31	4,500
Madura	54	28,148	56	31,254	..	..	..	..
Tinnevelly	59	25,530	60	24,789	..	..	..	..
Total, Southern Circle	370	1,76,401	387	1,79,393	68	75,162	78	73,562
Total, Presidency	937	3,77,374	1,012	3,82,677	79	78,168	199	80,189

Stores, Tools and Plant for 1901-1902—*cont.*

Miscellaneous.				Total.					
On hand at the commencement of the year.		On hand at the end of the year.		On hand at the commencement of the year.		On hand at the end of the year.		Difference in value.	
Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.	In favour of the year.	Against the year.
30	31	32	33	34	35	36	37	38	39
	Rs.		Rs.		Rs.		Rs.	Rs.	Rs.
1	100	4	100	187	2,690	190	2,548	..	142
..	..	..	..	575	19,935	638	20,277	342	..
71	125	59	115	352	1,735	330	1,619	..	116
558	792	570	805	(a) 2,404	(b) 45,440	2,531	(c) 47,635	2,195	..
..	..	..	..	772	17,331	756	17,508	177	..
39	453	63	565	1,182	44,330	1,296	45,870	1,540	..
47	130	47	111	722	7,571	792	8,619	1,048	..
..	..	..	..	720	19,785	498	19,514	..	271
716	1,600	743	1,696	6,914	1,58,817	7,031	1,63,590	4,773	..
91	603	93	475	282	2,810	288	2,440	..	370
168	251	177	251	1,000	26,550	1,065	26,525	..	25
333	3,333	391	3,470	1.717 mls. 13¾	28,556	1,918 mls. 13¼	27,962	..	594
129	277	126	280	776	8,708	750	8,835	127	..
..	..	..	..	2,504	22,626	2,927	28,100	5,469	..
..	..	..	..	cwt. 37	107	cwt. 33	102		
* 1,413	994	1,420	999	3,005	22,515	2,022	21,357	..	1,158
39	2,075	39	1,764	3,116	26,410	3,456	24,555	..	1,855
2,121	734	2,130	749	2,494	6,231	2,524	7,757	1,526	..
44	660	44	660	195	1,699	169	1,686	..	13
4,338	8,927	4,420	8,648	15,089 mls. 13¼ cwt. 33	1,46,105 107	15,119 cwt. 33 mls. 13¼	1,49,217 102	3,107	..
582	577	555	602	753	3,397	742	3,102	..	295
561	880	569	1,122	1,384	20,044	1,349	20,434	390	..
..	..	..	..	726	38,749	556	37,265	..	1,484
298	1,352	328	1,481	1,319	65,846	1,307	63,649	..	2,197
35	167	111	176	1,055	21,533	1,260	18,083	..	3,450
126	277	176	475	1,133	26,620	1,554	32,950	6,330	..
..	..	..	..	10,576	53,235	10,825	52,254	..	981
950	588	766	561	2,255	34,685	2,079	38,117	3,432	..
..	..	..	..	1,200	27,302	1,206	26,665	..	637
2,552	3,841	2,505	4,417	20,501	2,91,411	20,878	2,92,519	1,108	..
7,606	14,368	7,668	14,761	42,504 mls. 13¼ cwt. 33	5,96,440	43,028 cwt. 33 mls. 13¼	6,05,428	8,988	..

* Revised figures.

(a) Includes 17 items omitted to be shown in the last year's return through oversight.

(b) Includes Rs. 9 omitted to be shown in last year's return through oversight.

(c) Excludes Rs. 677, the value of District Forest-officer's tents and certain tools which were ordered to be written off.

ANNUAL FORM No. 63.

Forest Department, Madras Presidency.

STATEMENT of Elephants during the year 1901–1902.

District.	Names.	When purchased or otherwise obtained by Government.	Cost of monthly keep, including servants and food.			
1	2	3	4			
		PART I.				
		Elephants in possession of the Reporting Officers throughout the year.				
				RS.	A.	P.
Vizagapatam ..	Ethel	Transferred from Southern Circle on 3rd December 1897.	Per head ..	65	0	0
Gódávari ..	Surat Pari	Purchased in November 1894 at Sonepur fair.	Do. ..	56	4	4
Kurnool	Byragi Piari	Do. do.	Do. ..	56	7	10
	Captain Gunning ..	Purchased in July 1888	Do. ..	56	7	10
North Malabar ..	1. Phyllis	Purchased in January 1878	Do. ..	50	4	1
	2. Kaliani	Purchased in October 1889	Do. ..	64	8	6
	3. Krishna	Captured in March 1896	Do. ..	62	14	2
	4. Pyramus ..	Do. in April 1897	Do. ..	60	5	5
	5 Chákravarthini ..	Do. in March 1898	Do. ..	62	0	8
	6. Emily	Do. in June 1899	Do. ..	63	8	9
	7. Sivajee	Do. in February 1900	Do. ..	62	9	8
	8. Nadir Shah	Do. in March 1900	Do. ..	63	0	9
	9. Abdul Rahiman ..	Do. in April 1900	Do. ..	57	6	2
	10. Scindia	Do. do.	Do. ..	51	5	9
	11. Meenatchi	Transferred in July 1899 from the Nilgiris.	Do. ..	62	14	11
	12. Isabella	Captured on February 1898	Do. ..	63	10	7
	13. Paddy	Born in August 1899	..	33	12	7
South Malabar ..	1. Vixen	Transferred from Wynaad in 1882 ..	Per head ..	43	2	2
	2. Peyru					
	3. Samson	Purchased from Mr. Morgan in 1885 ..				
	4. Eva					
	5. Theebaw	Captured on 3rd January 1886 ..				
	6. Juno	Do. on 17th December 1886 ..				
	7. Jupiter	Do. on 9th January 1887				
	8. Maharajah	Transferred from Wynaad on 29th September 1888.				
	9. Gordon	Captured on 11th February 1889 ..				
	10. Loo	Do. on 21st April 1900				
	11. Hercules	Do. on 24th December 1900 ..				
	12. Tippoo	Do. on 25th February 1893 ..				
	13. Nurmahal	Transferred from North Malabar on 5th November 1898.				
	14. Kunhi Raman ..	Captured on 15th February 1900 ..				
South Canara ..	1. Mohideen Khan ..	Transferred from North Malabar on 3rd September 1897.	Do. ..	39	13	2
	2. Padmini			42	12	0
	3. Chamundi	Transferred from North Malabar on 10th September 1900.	Do. ..	27	3	3
The Nilgiris ..	1. Big Lakshmi	Transferred from the Anamalais on the 30th January 1882	Do. ..	50	0	0
	2. Chinna Lakshmi ..					
	3. Nilambu Latchmi ..	Purchased in September 1894				
	4. Bessie	Born on 3rd July 1899				
South Coimbatore.	1. Sinna Rani	Transferred from South Malabar on 9th August 1901.	Do. ..	47	8	0
	2. Karthiyayini ..	Transferred from South Malabar in August 1888.				
	3. Akbar Baksh	Transferred from the Nilgiris on 25th July 1899.				
	4. Zehara					
	5. Parvati	Received back from Public Works Department on 3rd April 1901.				
	6. Kunjunni					

Statement of Elephants during the year 1901–1902—*cont.*

District.	Names.	When purchased or otherwise obtained by Government.	Cost of keep, including servants and food.	How disposed of.
1	2	3	4	5

Part II.

Elephants received in the year.

				RS. A. P.	
North Malabar.	1. Peri	Captured in April 1889 ..	..	397 13 11	Transferred from South Coimbatore.
	2. Lallameah ..	Do. in March 1891 ..	..	345 12 5	Transferred from South Coimbatore.
	3. Dost-i-Jahan ..	Born in February 1902 ..	..	2 1 1	....
	4. Sutlej	Captured in February 1902.	..	190 3 11	....
	5. Beas	Do. do. ,, ..	..	187 8 10	....
	6. Ravi	Do. in March ,, ..	..	128 11 0	....
	7. Holkar	Do. do. ,, ..	..	224 6 8	....
	8. Chenab	Do. do. ,, ..	..	105 10 8	....
	9. Jhelam	Do. in June ,, ..	..	0 4 2	....
South Malabar.	1. Flora	Captured in 11th March 1902.	..	31 13 0	....
	2. Nelli ..	Do. in 19th ,, ,,	..	262 10 7	....
	3. Lakshmi ..	Do. in 7th April ,,	..		....
South Coimbatore.	1. Peri	Received from North Malabar on 2nd July 1901.	..	359 6 0	....
	2. Lalameah ..	Returned to North Malabar on 19th December 1901 and received back on 20th June 1902.	..	417 11 4	....
	3. Edgar	Captured on 17th July 1901.	..	204 13 1	....
	4. Meenatchi ..	Captured on 9th September 1901.	..	351 11 10	....
	5. Jumbo	Do. do. ..	..	92 8 9	....
	6. Shah Jahan ..	Received from North Malabar on 20th June 1902.	..	48 9 9	....
	7. Seetha		..	48 9 9	....
	8. Zelica		..	49 8 10	....
	9. Bakto		..	49 7 1	....

Part III.

Elephants gone off the list during the year.

				RS. A. P.	
Malabar ..	1. Shah Jahan ..	Captured in March 1900 ..	..	665 5 5	Transferred to South Coimbatore in June 1902.
	2. Bakto	Do. in April ,, ..	..	597 13 0	Transferred to South Coimbatore in June 1902.
	3. Zeleko	Do. in February 1898 ..	..	545 15 5	Transferred to South Coimbatore in June 1902.
	4. Seetha	Transferred from the Nilgiris in 1899.	..	643 4 1	Transferred to South Coimbatore in June 1902.
	5. Lalameah ..	Captured in March 1891 ..	..	345 12 5	Transferred to South Coimbatore in June 1902.
South Coimbatore.	1. Periya Rani ..	Transferred from North Malabar in May 1899.	..	340 10 0	Died on 27th December 1901.
	2. Dora	Transferred from North Malabar on 25th December 1896.	..	32 15 8	Died on 30th July 1901.
	3. Bagathi	Do do. ..	..	277 14 7	Died on 4th January 1902.
	4. Peri	Transferred from North Malabar on 2nd July 1901.	..	359 6 0	Returned to North Malabar on 19th December 1902.
	5. Edgar	Captured on 17th July 1900.	..	204 13 1	Died on 2nd January 1902.
	6. Jumbo	Captured on 9th September 1901.	..	92 8 9	Died on 13th January 1902.

GOVERNMENT OF MADRAS.

REVENUE DEPARTMENT.

READ—the following Proceedings of the Board of Revenue (Land Revenue), Forest No. 312, dated 18th November 1902:—

The Hon'ble Mr. H. A. SIM, C.I.E., I.C.S.

Resolution—Forest No. 312, dated 18th November 1902.

The Board submits to Government the progress report of Forest Administration in the Madras Presidency for the year ending with 30th June 1902.

2. In accordance with the last clause of section 258 of the Forest Code, the report has been drawn up by Mr. E. D. M. Hooper, the Senior Conservator of Forests, and is a careful summary of the year's work.

3. As in previous years, the Board desires to acknowledge the loyal assistance given by the Conservators, Messrs. Hooper, Gass, Brasier and Porter and to recognise the zeal and ability in the performance of their duties and the tact and discretion in their dealings with revenue officers and the public which they have consistently displayed, and upon which the successful administration of the department so greatly depends. The working of the District Forest-officers has been noticed in the report itself, and the Board has only to add its appreciation of the way in which they and their subordinates have carried out the arduous work which falls to the lot of a Forest-officer.

(True Extract.)

(Signed) A. R. CUMMING,
Acting Secretary.

To the Secretary to Government, Revenue Department,
with three copies of the report.

READ—again Official Memorandum No. 473, Revenue, dated 29th December 1902.

READ—also Proceedings of the Board of Revenue (Land Revenue), Forest No. 44, Routine, dated 29th January 1903.

ORDER—No. 289, Revenue, dated 18th March 1903.

Forest No. 49.

The Forest Administration report for the year ending 30th June 1902 submitted by the Board of Revenue has been compiled by Mr. E. D. M. Hooper, the senior Conservator on duty. The suggestions for the abbreviation of the report made in G.O., No. 239, Revenue, dated 6th March 1902, have, with some exceptions, been followed with the result that the report has been reduced in length from 74 to 49 pages. There is room, however, for further improvement in the arrangement and presentation of the matter collected from the district reports: for example, the Government consider that the subject of the exploitation of forest produce should be treated more closely on the lines indicated

in Mr. Ribbentrop's skeleton form and note that the Board will take steps to have the instructions issued in last year's review fully adhered to in the preparation of the next report.

Extension and Constitution of State Forests.

2. *Area under control.*—The total area under the control of the department at the end of the year under review is returned at 19,566 square miles, or 25 square miles more than at the beginning of the year. Leaving out of account, however, the nominal changes due to more correct computation of areas, the changes in the area under control comprised an addition of 112 square miles of reserved lands and a deduction of 192 square miles disafforested or otherwise unreserved: thus the actual area under the department was diminished by 80 square miles. More correct computation disclosed an omission of 105 square miles from the areas as previously recorded. This very considerable variation has not been explained.

3. *Progress of Forest Settlement operations.*—Of the 19,566 square miles under control on the 30th June last, 17,154 square miles had been finally constituted reserved forest and 1,642 square miles were under various stages of settlement. Of the remaining 770 square miles it is not expected that more than 400 square miles will be brought under settlement: and new selections for reservation are estimated not to exceed 203 square miles. On the progress made in issuing initial notifications with regard to this area of about 600 square miles, will mainly depend the possibility of completing forest settlement operations by the 31st March 1905, on which date the employment of special forest settlement-officers is to terminate. Most of the work lies in the South Canara district and the matter should receive the constant attention of the Collector and his District Forest-officer.

Making allowance for the fact that only two Settlement-officers were employed, the outturn of settlement work during the year compares favourably with that of the previous year.

4. *Demarcation and survey.*—There is an inconsistency between the figures reported in form No. 46 in the present report and those in the corresponding table in the last report which makes it uncertain how far permanent demarcation kept pace with the extension of reserve boundaries. According to column 5 of the latter table the length of demarcated boundaries at the end of the year 1900–1901 was 27,008 miles, but the distances stated in columns 3 and 4 of the present table amount to 28,098 miles. Taking the latter figure to be correct, the length of boundaries newly added during the year was 1,256 miles: and 2,036 miles were demarcated.

Progress in the preparation of final maps was not so satisfactory; only 76 square miles were added during the year to the area for which such maps are available.

Management of State Forests.

5. *Working plans.*—At the close of the year working plans were either sanctioned or in preparation for a total area of 5,770 square miles. Mr. Foulkes deserves credit for his outturn as working plans officer in the Southern Circle. It is regrettable that Mr. Cowley Brown's ill-health prevented progress in the Northern Circle. In the Central Circle also much remains to be done, especially in the important forest district of *Salem*. The Board should consider whether an officer of the Imperial Forest service of some standing should not be employed in this circle.

Save in *Anantapur*, *Chingleput* and *Trichinopoly*, the provisions of the working plans in operation seem to have been adhered to, and, on the whole, to have answered well.

6. *Annual plans of operations.*—The deviations mentioned in the report were, with few exceptions, either unavoidable or sufficiently justified for the reasons given. It is unfortunate, however, that the arrangements for the supply of fuel to the East Coast Railway fell through in *Ganjám*. The Board should see whether negotiations cannot be renewed. The explanation for the failure to plant up casuarina compartments in *Tanjore*, namely, the slackness of the establishment, is one that should not be allowed to recur.

7. *Communications and buildings.*—The Government are glad to observe that the making of new forest roads and cart-tracks was actively pressed during the year. In many localities such roads are essential to the exploitation of the forests and expenditure on them may be confidently expected to be remunerative.

8. *Breaches of Forest laws.*—The following table exhibits the figures for three years:—

Year.	Cases for disposal.			Cases disposed of.				Acquittals.	Percentage of cases compounded to cases disposed of.	Percentage of acquittals to cases dealt with by the magistracy.
	Pending.	New.	Total.	Withdrawn.	Compounded.	Dealt with by the magistracy.	Total.			
1899-1900	2,360	20,450	22,810	2,956	11,654	5,295	19,905	670	58·5	12·7
1900-1901	*3,125	22,130	25,255	2,839	12,404	6,324	21,567	648	57·5	10·2
1901-1902	*3,755	23,750	27,505	2,467	13,827	7,082	23,376	702	59·1	9·9

* *Vide* explanation in form No. 50 for variations in pending cases at the beginning of the year.

The chief features disclosed by the statistics are a rise in the total number of offences reported and a fall in the number of cases withdrawn and in the percentage of acquittals to cases prosecuted. The number of cases taken into Court under the two headings, unauthorised felling and grazing without permission, showed only a slight rise from 3,821 to 4,064 in the first case and from 2,623 to 2,755 in the second. The fall in withdrawals and acquittals is satisfactory as far as it goes, but the steady increase in the number of cases compounded which comprise nearly three-fifths of the whole number of cases reported, suggests that this method of dealing with offences is in practice misapplied. It has been already laid down that compounding should not be allowed where a deterrent penalty is desired: and the report does well to refer to these instructions. Paragraph 20 of the report quotes several instances where apparently serious offences have been compounded for a more or less heavy fine. But, so long as the protective forest staff is of its present inferior standard both in number and character, such fines will not counterbalance the chances of non-detection and consequent illicit profit.

The increase in offences was not however general in all districts. In *Anantapur*, *Chingleput*, *South Arcot*, and *Madura*, there was a marked decrease, and this is attributed, notably in *Chingleput* and *Madura*, to better supervision over the protective staff and consequent greater vigilance on their part. If the claim of prevention is borne out by the condition of the forests, the results are creditable to the establishments concerned. The Board should continue to pay the closest attention to this matter.

9. *Fire protection.*—Protection from fire was attempted over a slightly greater area than in the previous year: but the percentage of success obtained was slightly less. In *Kurnool*, though the Chenchus continued to be responsible for the fires on the Nallamalais, the area burnt was only about one-third of that destroyed in the previous year. The Government notes that improved methods of protection in Sandur are under consideration: some remedy is necessary, for, of the protected areas burnt in the Northern Circle, one-fourth were in the Sandur range alone.

The estimate given in the present report of the areas naturally protected against fire comprises about 4,000 square miles, nearly double the estimate reported in the previous year. It is clear however that the estimate has been made on vague general grounds, and that the subject of fire protection has not hitherto received the attention that it requires. It is hoped that the current year's report will show improvement in this respect consequent on the instructions issued last year.

10. *Regulation of grazing.*—The total number of all kinds of animals grazed on payment increased by over one-fourth the previous year's figure to 3,943,743; and there was at the same time a decrease in the number impounded for illicit grazing. Goats continue to appear as the most persistent trespassers into the reserves, particularly in the Central Circle: but the schemes for goat browsing in this circle sanctioned in February 1902 have not yet had time to operate.

11. *Sylviculture.*—Save where retarded by fire and, in Bellary, by excessive grazing, natural reproduction appears to have been generally satisfactory in all three circles. The area under plantations, cultural operations and *topes* was extended very slightly by about 300 acres. More attention should, the Government consider, be paid to the management of *topes*: as, during the last two years, the revenue from *topes* has been less than the charges. Date cultivation seems to have been the only experiment conducted on any considerable scale; and save in the Chandragiri range of *North Arcot*, the experiment apparently was a failure. The Board should report what action it has taken or proposes to take on the remarks on the subject of these experiments made in paragraph 8 of G.O., No. 239, dated 6th March 1902, on the previous year's report.

Exploitation and Outturn of Forest Produce.

12. Although no special operations of any magnitude were undertaken, there was a considerable increase in the total yield of the forests save under the head of *Timber*. There was a considerable extension of departmental operations for the supply of *fuel* to Railway companies, but in respect of gross revenue this development has not as yet compensated for the cessation of the operations for the supply of sleepers. An expansion of departmental working seems required properly to exploit the forests of the Southern Circle, where the comparative inaccessibility of the reserves and the difficulties of transport are calculated to deter the private purchaser. The Government agree with the remarks on page 33 of the report that the present means of extraction and transport are inadequate and that outlay on their improvement would be remunerative. Under *removals by private purchasers* it is noticeable in comparison with the previous year that the larger quantity of *timber* fetched lower prices, while the position was reversed as regards *fuel*. The reasons for these variations are not well indicated in the report.

Grazing receipts continued to expand notwithstanding an increase in the value of free grazing allowed and a loss in Nellore of some Rs. 5,000 through lax supervision.

Financial Results.

13. The value of the sales and other revenue of the year was Rs. 24,79,475, which was Rs. 36,175 more than in the previous year. Adding to this, Rs. 2,03,712, the outstanding balance at the beginning of the year, the amount for collection during the year was Rs. 26,74,187. The collections were very satisfactory, amounting to Rs. 24,96,494, according to Form No. 59; a further sum of Rs. 10,999 was written off as irrecoverable and the closing balance of the year was thus Rs. 1,66,694 *. The total charges amounted to Rs. 17,46,121 and were but slightly in excess of those of the previous year.

The surplus of the year was Rs. 7,50,373. In the Southern Circle there was, however, a deficit to which the districts of *North* and *South Coimbatore*, *North Malabar*, *South Canara* and the *Nilgiris* contributed. The conditions of the last-named district are special: and in *North* and *South Coimbatore* financial equilibrium would have been obtained but for comparatively heavy expenditure on communications and buildings which will probably prove remunerative. In *North Malabar*, however, the expenditure on feed and keep of cattle (presumably elephants) was nearly as great as the total receipts from departmental operations; and in the case of *South Canara*, although the district seems to have been debited with a disproportionately large share of the cost of direction, the year's deficit practically amounted to the total of the year's charges, as the total receipts but slightly exceeded the fall in the value of the stock during the year. The forest administration of these districts should receive careful scrutiny from the Conservator and the Board of Revenue.

General.

14. There was a satisfactory extension of the facilities afforded to the people for obtaining forest produce both by opening fresh depots and by improving the arrangements for the issue of permits. Attempts to supply green manure appeared to have

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* *Note.*—According to Form No. 61, the total receipts of the year were Rs. 24,89,878 and the balance Rs. 1,73,310.

been seriously made only in the Madura district. The general report is that the demand for such manure is sufficiently met from private and unreserved lands. In particular localities, especially in the neighbourhood of wet cultivation, the supply from such lands may not however be inexhaustible: or it may be to the interests of the Government and ryots alike to extend the use of green manure by offering a supply at low rates from the Government reserves. The Government are not satisfied that the matter has been sufficiently investigated and would be glad to have a report on the subject from the Board of Revenue. They trust that the experimental sowing of manure-leaf yielding plants which failed in the year under review in *Tanjore*, has been repeated in the current year. The district is one in which it ought to be possible to secure a large and steady demand for such produce.

15. The cases of misconduct amongst the subordinate staff are still deplorably numerous both in the higher and lower grades: but matters will no doubt improve in time with the recruitment of better trained men. District Forest-officers should however remember that, as observed by the Conservator in the case of the *Anantapur* establishment, it is instruction rather than punishment that is often needed. The scheme recently introduced for the improvement of forest office establishments seems to have answered its purpose everywhere excepting in *Anantapur*, in which district the forest office apparently requires overhauling.

The controlling staff as usual worked well. His Excellency the Governor in Council would notice in particular the good work done by Messrs. Lodge (*Salem*), Battie (*Kurnool*), P. M. Lushington (*Tinnevelly*), Foulkes (*Working Plans Officer, Southern Circle*) and Woutersz (*Chingleput*).

16. *Conclusion.*—The record of the year's work is satisfactory and creditable to the department.

(True Extract.)

(Signed) M. HAMMICK,
Ag. Secretary to Government.

ANNUAL ADMINISTRATION REPORT

OF THE

FOREST DEPARTMENT

OF THE

MADRAS PRESIDENCY

FOR THE

TWELVE MONTHS ENDING 30TH JUNE 1903.

(1902-1903.)

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1903.

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PROGRESS REPORT

OF

FOREST ADMINISTRATION IN THE MADRAS PRESIDENCY

FOR THE TWELVE MONTHS ENDING 30TH JUNE 1903.

CHAPTER I.—EXTENSION AND CONSTITUTION OF STATE FORESTS.

(i) Alteration of Area.

The following abstract from Form No. 44 shows the changes in the areas of reserved forests and reserved lands in the three circles and in the Presidency as a whole during the year:—

—	Area on 1st July 1902.	Added during the year.	Excluded during the year.	Net increase or decrease.	Area on 30th June 1903.
Northern Circle.	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.
Reserved forests	6,017	(*a*) 38 (*b*) 134	(*a*) 31 (*e*) 1	+ 140	6,157
Do. lands	800	(*a*) 4 (*d*) 1	(*e*) 83 (*e*) 10 (*f*) 134	— 222	578
Total ..	6,817	177	259	— 82	6,735
Central Circle.					
Reserved forests	6,813	(*a*) 28 (*b*) 124	(*a*) 17 (*e*) 2	+ 133	6,946
Do. lands	495	(*a*) 2	(*e*) 12 (*e*) 25 (*f*) 124	— 159	336
Total ..	7,308	154	180	— 26	7,282
Southern Circle.					
Reserved forests	4,324	(*a*) 9 (*b*) 222	(*a*) 1	+ 230	4,554
Do. lands	1,117	(*d*) 1	(*a*) 3 (*e*) 1 (*e*) 8 (*f*) 222	— 233	884
Total ..	5,441	232	235	— 3	5,438
Total.					
Reserved forests	17,154	555	52	+ 503	17,657
Do. lands	2,412	8	622	— 614	1,798
Grand Total ..	19,566	563	674	— 111	19,455

(*a*) Revision of area. (*e*) Disafforested or unreserved. (*e*) Excluded at settlement.
(*b*) Transferred from reserved lands. (*d*) Newly constituted reserved lands. (*f*) Transferred to reserved forests.

2. The total area under the control of the department at the end of the year under report was 19,455 square miles or 111 square miles less than that at the beginning of the year. This considerable fall in the area under control was due to the abandonment of reserved land for extension of cultivation and for the exercise of communal privileges, while no material addition could be made to it owing to the completion of reservation in several districts. The particulars of the change are as follows.

Reserved Forests.

The increase arose from the reservation of 480 square miles under the Forest Act and the addition of 75 square miles due mainly to the adoption of corrected areas as determined by the Survey of India Parties. The increase was partly counterbalanced by the exclusion of 3 square miles by disafforestation and 49 square miles by a more correct computation of the areas notified in previous years. Appendix B shows by districts the particulars of the changes that occurred.

Reserved Lands.

Only 2 square miles were added by the notification of new areas and 6 square miles by a correct computation of lands already notified. Against this increase, 139 square miles were excluded at settlement or unreserved to provide for extension of cultivation and for the exercise of communal privileges. Three square miles were deducted on account of revision of areas and 480 square miles were transferred to reserved forests. The details of the changes are shown in Appendix E.

(ii) FOREST SETTLEMENT.

3. The following abstract gives the progress of forest settlement in the three circles and the Presidency as a whole. The total area brought under settlement up to the close of the year, the area finally constituted reserved forests and the particulars of the balance under settlement in each district on 30th June 1903 are shown in Appendix C:—

Circle.	Area of reserved lands—*vide* Abstract above.					Area brought under Chapter II of the Madras Forest Act.				
	On 1st July 1902.	Added during 1902–1903.	Total.	Excluded during the year mainly by reason of constitution as reserved forests.	Balance at the end of the year.	Area notified under section 4 and not constituted reserved forests on 1st July 1902.	Added during 1902–1903.	Total.	Constituted reserved forests during 1902–1903, or otherwise disposed of.	Balance notified under section 4, but not constituted reserved forests on 1st July 1903.
	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.
Northern Circle	800	5	805	227	578	540	27	567	151	416
Central „	495	2	497	161	336	481	7	488	152	336
Southern „	1,117	1	1,118	234	884	621	33	654	230 (a) 1	423
Total ..	2,412	8	2,420	622	1,798	1,642	67	1,709	534	1,175

(a) Rectification.

4. The following abstract shows for the Presidency the progress of the forest settlement work as compared with the outturn of the previous year. The details for each district are recorded in Appendix E:—

	1901–1902.		1902–1903.	
	Number of blocks.	Area.	Number of blocks.	Area.
		SQ. MLS.		SQ. MLS.
(1) Area notified as proposed reserves under section 4 and remaining to be constituted reserved forests at the beginning of the year	318	1,873	241	1,642
(2) Notified under section 4 during the year	38	287	32	67
Total ..	356	2,160	273	1,709
(3) Deduct area finally constituted as reserved forests under section 16, or excluded at settlement, or the initial notifications of which were cancelled.	112 (b) 3	468 (a) 1 (c) 42	121 (b) 4	480 (b) 11 (c) 43
Total ..	115	518	125	534
(4) Area which remained to be finally constituted reserved forests at the end of the year	241	1,642	148	1,175

(a) Revision. (b) Initial notification cancelled. (c) Excluded at settlement.

Of the 148 blocks remaining under settlement at the close of the year, 78 blocks covering 467 square miles have been practically settled and are being finally reported on, leaving only 70 blocks with an area of 708 square miles under settlement enquiry. The causes of pendency of the several blocks are shown in Appendix D.

5. The results of the settlement operations of the year under report are compared with those of previous years in the subjoined statement:—

Year.	Finally notified during the year.		Settled and reported on.		Settled but not reported on.		Total.	
	Number.	Area.	Number.	Area.	Number.	Area.	Number.	Area.
1	2	3	4	5	6	7	8	9
		SQ. MLS.		SQ. MLS.		SQ. MLS.		SQ. MLS.
Ending 30th June 1901 ..	204	731	81	581	53	468	338	1,780
Do. 1902 ..	112	468	54	500	53	295	219	1,263
Do. 1903 ..	121	480	48	342	30	125	199	947

The number of blocks in respect of which settlement operations were completed was only slightly less than in the previous year. The area involved was also less owing to the fact that most of the blocks brought under settlement were of smaller dimensions.

Outturn of work by Revenue Divisional-officers.—The only settlement work left in the hands of these officers was that connected with two topes, one in Chingleput and the other in North Arcot, and two small blocks in Tinnevelly. In Malabar and South Canara, the Divisional-officers were unable to make any progress with the settlement of the blocks entrusted to them and the work was therefore transferred to M.R.Ry. P. S. Singaravelu Pillai during the last quarter of the year.

6. *Selections for reservation.*—The preliminary demarcation of the Pondakkal blocks in *Ganjám* was completed during the year and the draft notification under section 4 in respect of them was submitted to the Board after its close. In *Vizagapatam* the two blocks in the Golgonda Agency forming a portion of the Saruguda land referred to in the last year's report were still pending selection. Of the three blocks mentioned in *Kistna* in the previous year as awaiting notification under section 4, two were abandoned and a major portion of the third excluded as being likely to be brought under irrigation under the Divi pumping project, the remaining area being notified for settlement after the close of the year. In *Kurnool* out of the 97 square miles that remained to be notified under section 4 at the commencement of the year, 23 square miles were subsequently notified under section 4 and 28 square miles abandoned, leaving a balance of 46 square miles at the close of the year; of this area draft notifications in respect of 15 square miles have since been submitted to Government and the submission of notifications in regard to the remaining area is awaiting preparation of maps. The preliminary demarcation of the eight blocks pending in *Bellary* was completed during the year and certain exclusions suggested by the District Forest-officer in regard to three of the blocks were being carried out at its close. In *Anantapur* it is under consideration to reserve the hill areas of about 200 square miles to protect the head waters of certain local streams. In *Trichinopoly* the question of reserving the Upper Anicut padugais was still under consideration. In *South Canara* most of the areas for selection are comprised within the Amara and Sullia Maganes of the Uppinangadi taluk where the peculiar tenure of lands known as "Kans" and "Banes" is said to have impeded the work. The selection in the other taluks is reported to be practically complete. In *North Malabar*, the Wynaad Syndicate land, covering an area of 21 square miles, was acquired during the year but the acquisition of Ayankúnnu forest comprising an area of 12 square miles was not completed. In addition to these reserves, another block of about 2 square miles was selected during the year. In *South Malabar*, five blocks, covering an aggregate area of 33 square miles, remained to be notified at the close of the year. The draft notification for one

of them (the Silent valley) comprising an area of 27 square miles was submitted to the Board after the close of the year. The submission of notification regarding the two blocks in *North Coimbatore* referred to in the last year's report was still awaiting the receipt of the Survey of India maps. In *Madura* the proposal to reserve the down country lying between the Gundar valley extension and the Travancore frontier received the approval of Government and the extent to be selected in this locality is under consideration. Selection work in other districts is reported to be almost complete.

7. The subjoined statement shows the progress effected in reservation according to the programme for each district:—

District.	Sanctioned estimate of areas for reservation.	Area brought under the Forest Act—*vide* last column of Form 44.	Additional estimated area selected or to be selected.	Total estimate proposed to be reserved.	Percentage of the total forest area to the area of Government lands in the district.	Percentage of the total forest area to the area of unoccupied Government lands in the district.
1	2	3	4	5	6	7
	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.		
Ganjám	656	538	60	598	13·48	15·75
Vizagapatam	415	345	..	345	26·12	32·97
Gódávari	(*f*) 1,027	1,027	..	1,027	25·50	42·76
Kistna	1,165	1,003	..	1,003	17·85	42·07
Kurnool	2,677	2,676	..	2,676	40·60	60·82
Bellary	629	(*d*) 636	49	685	14·72	38·74
Anantapur	535	510	200	710	15·04	29·64
Cuddapah	2,640	2,373	..	2,373	31·27	44·29
Nellore	1,132	748	..	748	18·33	32·50
Chingleput	231	214	..	214	10·42	21·11
North Arcot	(*a*) ..	1,291	..	1,291	32·90	51·31
South Arcot	835	663	..	663	13·98	31·18
Salem	1,594	(*g*) 1,659	..	1,659	30·78	53·12
Trichinopoly	(*a*) ..	315	1	316	11·77	32·72
Tanjore	23	19	..	19	00·77	2·76
South Canara	1,011	1,071	..	1,071	26·72	33·50
Malabar	(*b*) 273	501	(*e*) 35	536	9·29	12·91
The Nilgiris	(*c*) 411	498	..	498	52·03	77·36
Coimbatore	(*b*) 1,812	2,312	8	2,320	31·37	66·88
Madura	(*a*) ..	619	60	679	20·90	45·35
Tinnevelly	440	437	..	437	12·25	34·84

(*a*) No definite schemes were formulated and approved for the district.
(*b*) Final schemes were submitted only for the northern divisions of the districts.
(*c*) Excludes leased forests. (*d*) Includes leased forests, 62 square miles.
(*e*) The revised area of Ayankunnu forest and the Wynaad Syndicate land.
(*f*) Includes the revised area of Coringa extension.
(*g*) The increase is due to the adoption of the areas of certain reserves as ascertained by the Government of India Survey.

Reserved Lands not brought under Settlement.

8. The extent of the above is, according to Appendix E, 623 square miles. The areas shown against the *Nilgiris* and *Bellary* and 15 square miles in *South Malabar*, which are mostly leased forests, will not be available for settlement. Out of the remaining extent (460 square miles), 319 square miles remain to be notified in *South Canara*. Thirty-two square miles were notified during the year and steps were being taken at its close for the submission of draft notifications under section 4 in respect of the remaining area. The extent of land in Vizagapatam will remain as reserved lands until the present reserves are brought under a more efficient scheme of protection and working. The delay in the submission of draft notifications regarding the balance of land left in other districts is explained in paragraph 6. The area remaining to be finally constituted reserved forest at the commencement of the current year was 1,175 square miles, and adding to this, the area of reserved lands (460 square miles), and the new selections (413 square miles) likely to be brought under settlement, there were 2,048 square miles for final settlement. Of this area, 467 square miles have been practically settled, leaving a balance of 1,581 square miles, which should mostly be settled before the 31st March 1905, the date on which the sanction for the retention of the Special Forest Settlement-officers expires. The work of these officers is being scrutinized by the Board and the attention of Collectors was recently drawn to the necessity of notifying the areas available for reservation as early as possible in order that the settlement may be practically completed within the period referred to.

(iii) DEMARCATION.

9. The following statement shows the results of the preliminary demarcation work of the year under report compared with the outturn of the previous year:—

	During 1901–1902.			During 1902–1903.		
	Miles.	Cost.	Average per mile.	Miles.	Cost.	Average per mile.
1	2	3	4	5	6	7
Northern Circle.		RS.	RS. A. P.		RS.	RS. A. P.
Ganjám	15	49	3 4 3	35	410	11 11 5
Vizagapatam	5	42	8 6 5	..	..	..
Gódávari	15	136	9 1 0	..	..	..
Kistna	..	..	..	..	..	..
Kurnool	73	226	3 1 6	23	47	2 0 8
Bellary	24	49	2 0 4	58	(*b*) 303	5 3 7
Anantapur	..	..	..	..	..	..
Total, Northern Circle	132	502	3 12 10	116	760	6 8 10
Central Circle.						
Cuddapah	..	..	..	..	..	..
Nellore	1	2	2 0 0	..	..	..
Chingleput	..	..	..	..	..	..
North Arcot	..	..	..	..	..	..
South Arcot	..	..	..	..	..	..
North Salem	3	9	3 0 0	..	..	..
South Salem	..	..	..	..	..	..
Trichinopoly	..	..	..	..	..	..
Tanjore	..	..	..	..	..	..
Total, Central Circle	4	11	2 12 0	..	..	..
Southern Circle.						
South Canara	244	76	0 5 0	65	26	0 6 5
North Malabar	..	(*a*) 96	..	..	..	..
South do.	..	..	..	..	..	..
The Nilgiris	2	6	3 0 0	..	..	..
North Coimbatore	16	159	9 15 0	..	..	..
South do.	..	..	..	..	..	..
Madura	..	..	..	..	..	..
Tinnevelly	2	12	6 0 0	1	8	8 0 0
Total, Southern Circle	264	349	1 5 2	66	34	0 8 3
Grand Total, Presidency	400	862	2 2 6	182	794	4 5 9

(*a*) This sum was spent in clearing boundary lines in the Ladysmith reserve to facilitate the Forest Settlement Officer's inspection.

(*b*) Includes cost of erecting cairns.

During the year work under the head was confined to *Ganjám*, *Kurnool*, *Bellary*, *South Canara* and *Tinnevelly*. The total outturn of work in the Presidency was smaller than in the previous year due to selections being nearly complete in most districts. The average cost per mile was greater than in the previous year for the Presidency and for the Northern Circle but less in the Southern Circle. Taking the districts individually the higher rates prevailed chiefly in *Ganjám* and *Bellary* which contributed to the greater average cost for the Presidency as a whole. The increase in Ganjám was due to the clearance of certain estate boundaries through bamboo growth in thick hilly forest. The marked increase in the rate in *Bellary* was due to thicker growth on the lines of the reserves demarcated and to cost of cairns.

Permanent Demarcation.

10. The length and cost of boundary lines permanently demarcated and recleared during the year and in the previous year are compared in the following abstract. Form No. 46 shows the work remaining to be done at the close of the year. There has been no change in the system of permanent demarcation reported in previous years.

District.	Perma		
	During 1901-1902.		
	Miles.	Cost.	Average cost per mile.
1	2	3	4
		Rs.	Rs. A. P.
Northern Circle.			
Ganjám	255	(a) 2,937	11 11 7
Vizagapatam	24	530	22 1 4
Gódávari	54	(a) & (d) 677	12 8 7
Kistna	166	(a) 1,807 (b) 1,703	21 2 4
Kurnool	211	1,345	6 6 0
Bellary	39	242	6 3 3
Anantapur	6	35	5 13 4
Total, Northern Circle	755	9,326	12 5 8
Central Circle.			
Cuddapah	186	1,083	5 13 2
Nellore	168	(a) 1,482	8 13 2
Chingleput	1	(b) 821	..
North Arcot	120	991	8 4 2
South Arcot	21	197	9 6 1
North Salem	41	44	1 1 2
South Salem			
Trichinopoly	133	756	5 10 11
Tanjore	15	46	3 1 1
Total, Central Circle	685	5,420	7 14 7
Southern Circle.			
South Canara	376	4,625	12 4 9
North Malabar	5	216	43 3 2
South Malabar	12	(a) 382	31 13 4
The Nilgiris	83	1,636	19 11 4
North Coimbatore	71	1,030	14 8 1
South Coimbatore	3	6	2 0 0
Madura	..	..	..
Tinnevelly	46	1,202	26 2 1
Total, Southern Circle	596	9,097	15 4 3
Grand Total, Presidency	2,036	23,843	11 11 4

(a) Represents or includes cost of erecting cairns.
(c) Cleared by the subordinate forest establishment free of cost.
(e) Includes cost of rectification of boundaries.
(g) Includes also cost of cutting block lines.
(i) Represents or includes amount spent in demarcating coupe lines of working circles.
(k) The cost of demarcating the boundaries of certain coffee estates within the interior of certain forest reserves.

nent.			Reclearing old lines.			
During 1902–1903.			During 1901–1902.		During 1902–1903.	
Miles.	Cost.	Average cost per mile.	Miles.	Cost.	Miles.	Cost.
5	6	7	8	9	10	11
	Rs.	Rs. A. P.		Rs.		Rs.
109	814	7 7 6	41	334	260	794 + (l) 263
3	75	25 0 0	366	84 — (l) 42	252	..
3	39	13 0 0	3 (a) & (b) (a) 786	1,310 — (l) 676	1,050	(b) 665
159	1,857	11 10 10	19	366	14	78 (b) 679 — (l) 42
226	(d) 1,583	7 0 1	..	..	..	..
70	404	5 12 4	429	203 — (l) 74	40	74 — (l) 347
..	..	..	4	4	2	(a) 25
570	4,772	8 5 11	1,648	1,509	1,618	2,189
35	(a) 216	6 2 9	11	15 — (l) 50	15	20
95	(a) 832	8 12 1	22 (c) 20	78 (a) + (l) 3	47 (c) 1,768	147 + (l) 1
..	8	..	2 (c) 639	8 — (l) 22	449	(b) 897
..	..	..	(c) 2,091	— (l) 32	37 2,186	(e) 192
18	(a) 845	46 15 1	(c) 92	+ (l) 13	166	32 + (l) 1
31	67	2 2 7	2,582 (c) 62	451 + (l) 126	30 (c) 881 72 (c) 866	88 168
7	20	2 13 9				
45	767	17 0 9	5 (c) 388 (c) 64	59 — (l) 19 ..	(c) 366 ..	3 ..
..	..	..				
231	2,755	11 14 9	2,622 (c) 3,356	630	3,002 (c) 3,881	1,549
106	(a) 1,812	17 1 6	47	228 — (l) 67	32	8 — (l) 7
2	..	..	..	— (l) 98	..	(f) 185
45	372	8 4 3	15	166 + (l) 1	2	85
69	(a) 1,309	18 15 6	22	134 — (l) 6	76	895
105	(a) & (g) 2,343	22 5 0	12	67 + (l) 2,239	1	+ (l) 4
(h) 14	238	17 0 0	9	65 — (l) 2	..	119 — (l) 119
5	253 (i) 600	(j) 50 9 7	37 (c) 465	792 — (l) 71	(c) 512	+ (l) 1
50	750 (k) 1,036	35 11 6	38	231 + (l) 25	4	49 — (l) 9
396	8,713	22 0 0	180 (c) 465	3,704	115 (c) 512	1,211
1,197	16,240	13 9 1	4,450 (c) 3,821	5,843	4,735 (c) 4,393	4,949

(b) Represents or includes cost of temporary establishment.
(d) Includes Rs. 207 spent on demarcation of the enclosures in reserves under settlement and Rs. 43 in cutting coupe lines
(f) Amount reported to have been spent on the demarcation of part of the external boundary of the Padri reserve. This figure has been adopted from abstract G in the District report.
(h) Coupe lines of certain working circles.
(j) The average cost has been calculated on the actual cost, viz., Rs. 253 incurred in the permanent demarcation of the 5 miles of the reserve boundaries.
(l) Added or deducted as per Accountant-General's audited figures.

Compared with the previous year there was a decrease of 839 miles in the total length of lines permanently demarcated. The shorter outturn was mainly due to the fact that in several districts the work has already been completed or is approaching completion. The average cost per mile for the Presidency however shows a slight increase. Taking the circles individually it is noticed that in the Northern Circle the rate per mile decreased from Rs. 12–5–8 to Rs. 8–5–11, while in the Central and Southern Circles it increased from Rs. 7–14–7 to Rs. 11–14–9 and from Rs. 15–4–3 to Rs. 22, respectively. The work cost more in *South Arcot*, *Trichinopoly*, *South Canara*, *North Coimbatore*, *South Coimbatore*, *Madura* and *Tinnevelly* from the growth met with being more dense, stone slabs being erected in place of mud cairns and labour wages being higher. On the other hand in *Kistna*, and *South Malabar* a lower rate prevailed, the jungle cut being sparser and the total cost much reduced.

Reclearing Boundaries.

11. A length of 4,735 miles of line was cleared at a cost of Rs. 4,949 against 4,450 miles at a cost Rs. 5,843 in the previous year. A length of 4,393 miles was cleared by Forest subordinates free of cost against 3,821 miles in the previous year.

(iv) Forest Surveys.

(*a*) *By Survey of India Parties.*

12. As in previous years the combined Parties, Nos. 9 and 19, of the Survey of India were divided into sections each under the immediate charge of an officer of the Provincial service. Their outturn during the year is shown in the following statement :—

District.	Triangulation.	Traversing.	Topography.	
			Total.	Reserved forests.
	SQ. MLS.	MLS.	SQ. MLS.	SQ. MLS.
Kurnool	..	..	476	346
Cuddapah	..	..	575	457
South Canara	590	93	250	177
Coimbatore	..	..	111	..
Ganjám	1,090	284	..	..
Gódávari	350	161	..	..

In the subjoined table the areas surveyed and the cost during the year with those of the two previous years are compared :—

Description of work.	Area surveyed.			Cost rate per square mile.		
	1900–1901.	1901–1902.	1902–1903.	1900–1901.	1901–1902.	1902–1903.
	SQ. MLS.	SQ. MLS.	SQ. MLS.	RS.	RS.	RS.
Triangulation	1,335	1,680	2,030	8·8	8·3	8·4
Traversing	771	414	538			
Topography	1,378	1,306	1,411	58·0	58·8	58·0

The work in all the three classes shows progress and is in excess of that of the previous season. The average cost of triangulation and traversing has slightly increased and that of topography decreased. In calculating the cost per square mile of detail survey an area of 111·1 square miles of resurvey in North Coimbatore was included. The detail survey in the Cuddapah district was completed, though some boundary lines, wrongly demarcated and cleared, require resurvey.

The actual expenditure for the survey year including cost of instruments was Rs. 99,664 against Rs. 91,625 in 1901–1902. The amount debitable to the Forest Department excluding the contribution of the Government of India amounted to Rs. 64,881 as against Rs. 62,125 in the previous year. The increase is reported to be due principally to the debit of the full pay and allowances of the officer in charge

whereas in the previous year, a percentage of the same was charged to other departments. Other causes are increase of pay of establishment, additional local labour to overcome difficulties in the work, railway fares and increased charges for carriage of property since larger distances had to be travelled over on taking and returning from the field, notably in the South Canara, Gódávari and Ganjám sections.

The office at Bangalore was visited by the District Forest Officers of Kurnool, Cuddapah and South Canara for verifying the season's work. In all the three districts some of the maps had to be held over from publication owing to the verifications not being completed in time. Twelve sheets of the Kurnool district and thirty-six of Cuddapah have been forwarded to Dehra Dun for publication. In the South Canara district all the arrears of the previous season together with the area surveyed during the year, with the exception of two sheets, are reported to be ready for publication, it now being decided to adopt a provisional issue until such time as a definite decision is arrived at regarding the demarcation and survey of the Mysore-Canara boundary.

(b) By Departmental Survey.

13. The services of the surveyor attached to the Working Plans Officer were lent to the *Ganjám* district for about four months and he carried out contour survey over an area of 29½ square miles. In addition 45 linear miles were surveyed by Range officers and their subordinates. In *Vizagapatam* the Kodovatipudi ghât road and the site of Vizagapatam fuel depot were surveyed and contour maps were prepared for three reserves. In *Gódávari* and *Kistna* surveys were undertaken. In the first district the reserves in Bhadráchalam and Coringa extension were surveyed. In *Kurnool* the unreserved fields in the reserves under settlement were surveyed and sketches to accompany notification under section 4 were prepared. In *Chingleput* the laying out of coupe lines, &c., was done by the Range officers themselves; while in *North Salem* a surveyor was employed during the year on surveying coupes, preparing maps and estimates, tracing ghât roads, &c. In *South Salem* a surveyor was also on duty, but little work was turned out. In *South Canara* three blocks were surveyed and preliminarily demarcated. The teak plantations of the Begur range, *North Malabar*, were surveyed and mapped, and the Kottiyur and Ayankunnu blocks were surveyed for purposes of acquisition. In *South Malabar* soil maps for 1,406 acres were prepared for certain teak plantations and necessary preliminaries were completed for others, while in *South Coimbatore* nine coffee estates on the Anamalais were surveyed by a special surveyor.

The outturn of work by the draughtsmen employed in the various districts is shown in Appendix F. Eleven thousand four hundred and twenty-seven square miles were finally mapped out of the total area of 17,657 square miles of reserved forests. Particulars for each district are to be found in Appendix G.

CHAPTER II.—MANAGEMENT OF STATE FORESTS.

1. Regulation of Management.

(a) Preparation of Working-plans.

14. Working-plans for 1,399 square miles were sanctioned by the Board of Revenue during the year and plans for 2,217 square miles were under preparation at its close. As compared with the previous year's return these figures show a decrease under both heads which will now be explained.

Work of the Special Working-plans Officers.

Northern Circle.—Mr. Cox, the Special Working Plans Officer took leave in July 1902 and was succeeded by Extra Assistant Conservator Mr. N. M. Rego. The details of the circle work are given in the district summaries below.

Central Circle.—Extra Assistant Conservator M.R.Ry. V. S. Gurunatha Pillai Avargal continued to be the Special Working Plans Officer but was also attached to the Chingleput district as acting District Forest Officer for a period of 2½ months. His outturn was smaller from having to revise the Chandragiri working-plan for which a reconnaissance report was submitted in the previous year. He inspected the forests of

four ranges in *North Arcot*, prepared plans for Chandragiri and Chittoor forests and submitted a reconnaissance report for those of the Vellore range. The Chandragiri plan is still under reference to the Collector. The Chittoor plan was before the Board and has since been sanctioned.

Southern Circle.—The progress here was also less because no Working Plans Officer was employed for the greater part of the year. Mr. G. F. F. Foulkes, the Special officer, proceeded on long leave at the commencement of the year and was succeeded by Mr. A. P. Grenfell who soon after took leave on account of ill-health. While he was in charge, he inspected the reserves in the Erode range and prepared a reconnaissance report for them. On his departure no special officer being available for the work, the District Forest Officer, *North Combatore*, held the office as an additional charge.

The following summarises the work done in each district in this direction :—

Northern Circle.—In *Ganjám* two working-plans were prepared during the year comprising an area of 17 square miles one of which, prepared by Mr. S. Cox, Special Working Plans Officer, for the sal areas of the Mojjaguda and Kukuluba ranges, was sanctioned during the year and a supplemental one with further details prepared by the District Forest Officer awaited sanction. Plan for the Agusti Nowgam casuarina plantation (700 acres) submitted by the District Forest Officer was sanctioned towards the close of the year. In *Vizagapatam* preliminary work in connection with working-plans was carried out. In *Gódávari* working-plans for 350 square miles for Rékapalle hills, Marrigudem range, and Coringa reserve, and revised working-plan for the Bandamúrlanka and Kandikuppam plantations were sanctioned during the year. In *Kistna* the revision of the Kondapalli working-plan was pending. In *Kurnool* the working-plans for the Kurnool and Dhone working circles previously prepared and returned by the Conservator were revised during the year. A working-plan for 67 square miles for the Pattikonda range was under preparation. In *Bellary* the working-plan for 24 blocks in the Ádóni range remained under preparation. Statistics were collected and stock maps prepared for a working-plan for 26 blocks in the Bellary range. In *Anantapur* preliminary working-plans prepared for the forests in the Penukonda range were under consideration by the Conservator.

Central Circle.—Mr. N. M. Rego, Extra Assistant Conservator of Forests, was attached to the *Cuddapah* district till December 1902 to assist in the preparation of working circles and he was employed in Cuddapah and Kadiri ranges. Reconnaissances for the working-plans of Kadiri and Ráyachóti ranges, parts of Cuddapah and Sidhout ranges and Idupalapaya palmyra plantation were prepared and submitted to the Conservator and are under reference to the District Forest Officer. In *Nellore* the area brought under regular management decreased from 553 square miles to 400 square miles during the year, owing to the abolition of the compartment system of grazing which occupied an area of 257 square miles. The revised Rapúr scheme for the regulation of goat-browsing covering an area of 104 square miles was sanctioned by the Board, and proposals to bring 92 square miles of reserved forests in the Átmakúr and Udayagiri taluks under a similar scheme were submitted to the Board and ordered to lie over pending the result of the scheme in Rapur. The revised Sarvepalli working-plan was approved by the Conservator while plans for the Penad and Venad reserves are stated to be under preparation. Reconnaissance reports for eight working circles of the Chingleput range were approved of by the Conservator, while plans for the remaining circles of the range were under preparation. In *North Arcot* the work was done by the Special Working Plans Officer as already observed above. In *South Arcot* Extra Assistant Conservator M.R.Ry. C. M. Maduranayakam Pillai Avargal inspected the reserves in the Kallakurchi range and submitted reconnaissance reports for three working circles besides the compilation of a statement for the arrangements of beats and working circles throughout the range. During the year a working-plan for the Uttankarai range for 21 square miles in *North Salem* and another for Tiruppattúr range for 138 square miles were prepared and were under consideration with the Conservator. Necessary data were collected for the preparation of plans for the Dharmapuri and Hosúr ranges. In *South Salem* a working-plan of the Lokur Working Circle was sanctioned. Reconnaissance reports for the hill forests of the Atur range were prepared by Mr. J. A. Daly, Extra Assistant Conservator of Forests. Two of the former were approved by the Conservator. Reports for ten proposed working circles,

Salem East Range, covering an area of 106 square miles were under preparation. In *Trichinopoly*, the prescriptions for the Cauvery South Bank plantations in the Kulittalai range were revised and sanctioned by the Board.

Southern Circle.—In *South Canara* working-plans submitted at the close of the previous year for the forests of Coondapoor, Udipi, Uppinangadi and Mangalore ranges as well as those of Begur and Chedleth ranges in *North Malabar* were sanctioned during the year. The supplement to the Nilambur working-plan in *South Malabar* was sanctioned after its close only. In *North Coimbatore* working-plans for two sandalwood areas in Kollegal and a preliminary scheme for the supply of fuel and small timber to the Kollegal town were prepared. In *Madura* data for preparing working-plans for Kodaikánal and Tandigudi ranges were being collected and experimental coupes opened with a view to test the demand. In *Tinnevelly* three plans were prepared, two of which as also four plans prepared and submitted previously received the Board's sanction, and the third plan was for the plain taluks of Ottappidáram, Srivaikuntam and Tinnevelly.

(*b*) *Annual Plans of Operations.*

15. The Annual plans of operations were adhered to except in the following instances :—

Northern Circle.—In *Vizagapatam* the construction of the road across the Kavadipudi reserve to the Railway line is deferred until the Railway Company builds a station where the road is to reach it. The final demarcation of Panem, Gani and of the North and South Veligonda reserves in *Kurnool* was not carried out because the first two were not finally notified and the extension of the latter two was not settled. The construction of a rest-house was undertaken at Chelama in place of the one proposed at Ramannakatwa. Owing to the frequent changes in the Executive staff of Kudligi range in *Bellary*, no working-plan was prepared for Chiribi reserve and consequently the felling provided for was held in abeyance. The felling of trees other than the standards in a coupe of 22 acres in Rayadrug reserve was permitted to the glass bangle makers for Rs. 44. Removal of brushwood on permits was allowed in a portion of Chiribi reserve. The hill bungalow at Penukonda in *Anantapur* was not repaired, as the Conservator decided that it would be a waste of money to do so.

Central Circle.—In *Cuddapah* no fresh collection of redwood roots and stumps was made, the market being overstocked, but payment was made for 81⅝ tons collected during the previous year. Departmental operations in Badvel could not be started as proposed for want of establishment. In *Nellore* the parcellaire or compartment system of grazing was abolished towards the close of the year with effect from the 20th March 1903 while a scheme for the regulation of goat-browsing in Rapúr taluk was introduced and worked during the year. The construction of an inspection path up the Penchalakona hill was abandoned and the Range office buildings and rest-houses were not constructed. Also the wood in compartment No. 1 of Dugarazapatam was sold as standing growth instead of being worked departmentally. For want of demand a less number of coupes was sold in the *Chingleput district.* In *North Arcot* the supply of agricultural implements and the collection and sale of redwood was undertaken through contractors instead of this timber being worked departmentally. The collection and sale of fuel in certain depots was postponed. Owing to the non-introduction of the Timber Transit rules the tannah huts proposed were not constructed and no tannadars were entertained. The allotments for road construction and certain other works were not fully spent owing to the illness or inefficiency of the rangers. Rectification of demarcation and reclearance were undertaken only to a small extent. In *South Arcot* two coupes of Shonankuppam in the Coast Casuarina plantations were decided to be left blank with a view to let in more air to Cuddalore Old Town. Certain coupes were not sold as proposed, and the building provided for in the Tiruvannámalai range was not constructed owing to pressure of work. In *South Salem* the repairs to the Salem Range office buildings were not completed, while the construction of an anicut across the stream in Jambuthu reserve was not commenced for want of establishment; that of a bridle-path down the Kuttiar valley was commenced but not completed. Certain coupes were not felled in *Trichinopoly* owing to deviations in the plans that occurred in previous years and to the absence of the expected demand from the South Indian Railway.

Southern Circle.—The construction of a rest-house in the Uppinangadi range, *South Canara*, and two guards' huts in the Puttúr range was not taken in hand for want of funds, while the guards' huts in the Mangalore range were left unbuilt owing to delay in obtaining sites. In the *Nilgiris* timber was not felled in Benne forests as some rest for the forests was thought necessary and the working of Jakanare slopes was not carried out as there was no response to the invitation for tenders. In *North Coimbatore*, a less quantity of timber was felled and less sandalwood collected than anticipated. In *South Coimbatore* the construction of new quarters and office for the timber depot-keeper at Pollachi and range quarters and office at Dhali was not carried out as the works could be deferred. Though not provided for in the plan of operations, fuel felling in Udamalpet range, extension of tram-line, repairs to saw mill at Mount Stuart and repairs to the Range officer's quarters at Udamalpet were undertaken. The building in the Coimbatore timber depot was also reconstructed and supports and improvements to the wire rope-way were erected. In *Madura* fuel supply to the railway was undertaken departmentally and the trees in Cumbum and Kodaikánal ranges were felled under a modified permit system. In *Tinnevelly* the supply of test railway sleepers was undertaken.

2. Communications and Buildings.

16. The subjoined statement shows the outlay on communications and buildings during the year under report as compared with the previous year :—

	1901-1902.	1902-1903.
	Rs.	Rs.
Roads and bridges	54,010	43,604
Buildings	48,837	53,739
Other works	10,991	9,806

Comparing the figures there has been an increase of expenditure under "Buildings" and a decrease under the other two heads, especially under "Roads and Bridges". The decrease under "Roads and Bridges" was due mainly to the important works undertaken in North Arcot and North Coimbatore in the previous year.

Under "Roads and Bridges", the important works undertaken in the *Northern Circle* were the cutting of a track and new block lines in *Ganjám* and the construction of a cart track from Jaddangi to Bonadapalli in *Gódávari*. In *Kistna*, three permanent roads, 8¾ miles long, were made, while in Kurnool, the Velgode-Sudempenta road and a portion of Diguvametta-Malkondapunta road, Cumbum range, were completed. In the *Central Circle*, the reconstruction and repair of the Pennagaram-Anaibiddahalla road, 11½ miles long, were undertaken in *North Salem*. In *South Salem*, a cart-track from coupe No. 1 of Lokur Working Circle to the Salem-Toppur road was constructed. In the *Southern Circle*, a new cantilever bridge in the Chedleth range, *North Malabar*, was nearly completed during the year, while in *South Malabar*, compartment roads, 8 miles long in the Karimpoya plantation, were made. In *North Coimbatore* roads and export lines of a temporary character and a rough cart track, 19 miles long, were made. There were no works of importance in other districts, but petty repairs went on in all.

Under "Buildings" the increase occurred mainly in the *Southern Circle* where the expenditure amounted to Rs. 32,201 against Rs. 24,234 in the previous year. The bulk of the increase was spent in *South Coimbatore* and *North Coimbatore*. The most important works under this head in the *Northern Circle* were the completion of a rest-house in Tamana, the construction of another at Gazilibadi in *Ganjám* and a third at Venkatapuram in *Vizagapatam*. Two Range offices were constructed in the Bhadrachalam division of the *Gódávari district*. In *Kurnool*, the building of a rest-house at Chalama was undertaken, while in *Anantapur* one at Amagondapaliem undertaken last year was completed. In the *Central Circle* the Udayagiri range office building in *Nellore* and the staking of the Kondleru river to protect the Kistnapatam rest-house were completed. In the *Southern Circle* the construction of a rest-house in the Coondapoor range, *South Canara*, was completed. The new District Forest Office, the Attipadi rest-house and godown to the District Forest Officer's lodging were among the chief works in *South Malabar*. In the *Nilgiris* a wooden serambi for the Segur Range officer's residence and office was constructed. In *North Coimbatore* the erection of rest-houses was commenced at Ekkatur, Kalkadambur and Uganiyam and good progress made during the year. The building of fitters' quarters

in Mount Stuart was the chief work done in *South Coimbatore*. In *Madura* a rest house with out-houses in the Kodaikánal range, and another in Aiyanarkovil in *Tinnevelly* were built. There were no works of importance in other districts. Petty construction such as inspection sheds, guards' and watchers' huts, etc., and general repairs were carried out.

Under "Other works", the amount was spent in constructing wells, reservoirs, etc., to secure a better supply of water.

Tramways.—In the Sriharikota range, *Nellore district*, 8,584 tons of produce were carried or 21,460 ton-miles were run as against 9,460 tons or 23,650 ton-miles in the previous year; in the Coast range, 7,879 tons or 22,285 ton-miles were trammed against 5,523 tons or 13,561 ton-miles in 1901–1902. During the year a sum of Rs. 1,616–14–0 was spent on the purchase of ten new trucks from Messrs. Fowler & Co. In *South Coimbatore* the total quantity of timber trammed during the year was 913 tons or 2898 ton-miles against 1214 tons or 4235 ton-miles in the previous year. Of these 130 tons were drawn by Government bullocks. The poor outturn is reported to be due to heavy rains and to the failure of the contractor to carry out his contract.

3. Protection of Forests.

(*a*) *General Protection.*

17. The following table shows the offences against the Forest laws which came under observation during the year :—

Circle.	Cases taken into Court.				Cases compounded.				Cases undetected.				Total cases.				Grand total of cases.
	Injury to forests by fire.	Unauthorized felling or appropriation of wood and minor forest produce.	Grazing without permission or in tracts in which grazing is prohibited.	Other offences.	Injury to forests by fire.	Unauthorized felling or appropriation of wood and minor forest produce.	Grazing without permission or in tracts in which grazing is prohibited.	Other offences.	Injury to forests by fire.	Unauthorized felling or appropriation of wood and minor forest produce.	Grazing without permission or in tracts in which grazing is prohibited.	Other offences.	Injury to forests by fire.	Unauthorized felling or appropriation of wood and minor forest produce.	Grazing without permission or in tracts in which grazing is prohibited.	Other offences.	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
Northern ..	25	893	592	203	10	1,634	1,308	332	54	83	75	9	89	2,610	1,975	544	5,218
Central ..	20	2,039	1,734	148	2	5,362	4,510	291	240	338	147	28	262	7,739	6,391	467	14,859
Southern ..	29	479	265	139	2	1,262	435	193	88	46	92	18	119	1,787	792	350	3,048
Total ..	74	3,411	2,591	490	14	8,258	6,253	816	382	467	314	55	470	12,136	9,158	1,361	23,125

Compared with the previous year, the total number of cases decreased by 625 in the combined circles. The decrease in the *Northern Circle* was partly counterbalanced by an increase in the *Central* and *Southern Circles*. This net decrease of 625 in the total number of cases in the Presidency occurred under "unauthorized felling" and "grazing". There was a slight increase under the remaining two heads.

Under "injury to forests by fire", the number of cases was distributed over almost all districts though chiefly in *North Arcot* due to the heavy growth of grass on account of rains and to better record made of the fires which occurred during the year.

The decrease in the number of cases under "unauthorized felling" occurred mainly in the districts of *Kistna*, *Vizagapatam* and *Cuddapah*, partly counterbalanced by a large increase chiefly in *South Arcot*. The decrease in *Kistna* is ascribed to better supervision by the controlling officers and that in *Cuddapah* to the opening of coupes and departmental supply of redwood, etc., for agricultural and other purposes. The increase in *South Arcot* was due to better protection and increased vigilance of the subordinate staff. Under "grazing" the number of cases decreased largely in *Kistna*, *North Arcot* and *Cuddapah*, partly counterbalanced by an increase chiefly in *Nellore*. The decrease in *Kistna* was due to causes explained under "unauthorized felling", while that in *Cuddapah* and *North Arcot* was due to the fact that the season was exceptionally favourable and permits were taken freely. The punishments inflicted in forest cases had also a deterrent effect, particularly in the case of goat-browsing. The increase in *Nellore* is ascribed to better supervision of the forest

areas. Under "other offences" the increase occurred mainly in *Kurnool* due to unauthorized cultivation. The number of cases pending at the close of the year was 3,699 against 4,129 in the previous year.

The number of undetected cases was 1,218 against 974 in the previous year. The increase occurred chiefly in *North Arcot* and *Kistna*. In the former district causes for a greater number of fires were unknown, while, in the latter, the increased number of cases was chiefly under "grazing" and "unauthorized felling" the culprits for which were not traced out.

18. The following statement shows the result of cases brought to trial :—

Circles.	1901–1902.		1902–1903.		Percentage of failures.	
	Convictions.	Acquittals.	Convictions.	Acquittals.	1901–1902.	1902–1903.
Northern Circle	1,693	144	1,368	162	7·83	10·58
Central Circle	3,928	443	3,981	345	10·13	7·97
Southern Circle	759	115	746	137	13·15	15·51
Total ..	6,380	702	6,095	644	9·91	9·55

The number of cases taken into court during the year was 8,772, of which 2,206 were pending at the beginning of the year. 6,095 of the total number of cases ended in convictions, 644 cases were acquitted and 478 cases were withdrawn under the District Forest Officers' orders, leaving a balance of 1,555 cases at the close of the year.

19. The following statement compares the compensation fees realized during the year with the figures of the previous year :—

Circles.	1901-1902.		1902-1903.	
	Number of cases.	Amount recovered.	Number of cases.	Amount recovered.
		Rs.		Rs.
1. Northern Circle	3,491	23,670	2,809	18,225
2. Central Circle	9,101	63,348	9,403	56,435
3. Southern Circle	1,235	10,410	1,453	9,896
Total ..	13,827	97,428	13,665	84,556

The total amount collected was Rs. 84,556 against Rs. 97,428 in the previous year. The decrease was due to the less realization of fees notably in the districts of *North Arcot*, *South Arcot* and *South Coimbatore*. The decrease in *North Arcot* was due to fewer "wholesale" offences and that in *South Arcot* to a fall in the total number of grazing offences reported on during the year. In *South Coimbatore* the less amount realized this year was due to the compounding of a big timber theft case for Rs. 3,000 in the preceding year.

20. Rewards were as usual sparingly granted. In *Ganjám* a sum of Rs. 2–12–0 was given in two abkári cases. In *Vizagapatam* Rs. 10 were awarded to a forest guard in two cases, while in *Gódávari* Rs. 100–8–0 were disbursed to abkári officers, etc., for detection of forest cases. In *Anantapur* Rs. 22–8–0 were awarded to informers and Rs. 26–0–0 to the Abkári Department. In *South Arcot* a sum of Rs. 20–0–0 was disbursed to certain forest watchers. No rewards were disbursed in the other districts of the Presidency.

(*b*) *Protection from Fire.*

21. As shown in Form No. 51, the sum of Rs. 41,042 was spent during the year on special fire protection operations.

The area subjected to special measures amounted, as shown in Form No. 51, to 5,545 square miles against 5,550 square miles in the preceding year. Of these 5,031 square miles were successfully protected against 5,348 square miles in the previous year. The proportion of failures rose from 3·63 per cent. to 9·27 per cent. and the cost per square mile successfully protected rose from Rs. 6–13–11 to Rs. 7–6–5.

The average cost per square mile was less in the Northern and Central Circles, but greater in the Southern Circle and for the Presidency. Considering the districts individually, the areas attempted decreased mainly in *Ganjám*, *Vizagapatam*, *Bellary*, *Cuddapah* and *North Malabar*, and remained almost the same in *Chingleput* and *the Nilgiris*. In *Tanjore* no special protection was undertaken as the forest areas are small. Additional areas chiefly in *Gódávari*, *Nellore*, *South Salem*, *South Canara*, *North Coimbatore* and *Madura* were brought under protection. There was an increase in the amount expended principally in *Ganjám* and *North Malabar*, and a noticeable decrease chiefly in *Vizagapatam*, *Kurnool*, *Bellary* and *North Arcot*. The increase in *Ganjám* was due to the larger area brought under rigid protection and to the exceptionally dry season. In *North Malabar* it was due to felling of timber standing on fire lines. The decrease in *Vizagapatam* was due to the abolition of fire patrols. In *Kurnool* the decrease was due to the non-employment of fire patrols and the employment of Chenchus who have to be paid at the end of the fire season. Special protection in *Bellary* was restricted exclusively to areas which had been felled over in the current and previous five years. In *North Arcot* the decrease is ascribed to the less area protected during the year under report.

The following statement shows the origin of fires as reported:—

Division or Circle.	A. Fire caused by accident or through carelessness in burning fire lines.		B. Fires entering the forests by crossing exterior fire traces.		C. Fires beginning inside the reserve on fire-traced areas. Owing to carelessness or accident.							
					By workmen employed in the forests, by purchasers of forest produce, and by hay-cutters.		By villagers, travellers, etc., passing through the forests.		By railway engines.		By lightning or by fire-balloons.	
	Number of fires.	Area burnt in acres.	Number of fires.	Area burnt in acres.	Number of fires.	Area burnt in acres.	Number of fires.	Area burnt in acres.	Number of fires.	Area burnt in acres.	Number of fires.	Area burnt in acres.
1	2	3	4	5	6	7	8	9	10	11	12	13
Northern Circle.												
Ganjám	6	105	15	359	1	320	15	1,337	..	..	..	..
Vizagapatam	3	2,420	..	..	..	..	..	..	..	..	..	..
Gódávari	1	40	19	40,740	..	..	17	2,636	..	..	..	..
Kistna	..	..	..	..	..	..	5	175	..	..	..	..
Kurnool	..	..	..	..	..	..	..	..	..	..	..	..
Bellary	..	..	..	..	..	..	3	..	..	..	..	..
Anantapur	..	..	..	..	..	..	..	..	..	..	..	..
Total, Northern Circle ..	10	2,565	34	41,099	1	320	40	4,148	..	..	..	..
Central Circle.												
Cuddapah	2	14	1	1,920	7	9,531	2	970	..	..	..	..
Nellore	..	..	3	590	..	..	..	..	..	..	..	..
Chingleput	..	..	..	..	..	..	..	..	..	..	..	..
North Arcot	2	250	27	8,125	13	9,987	17	2,619	3	28	2	101
South Arcot	..	..	..	..	..	..	..	..	..	..	..	..
North Salem	13	9,715	3	1,080	..	..	7	1,791	..	..	..	..
South Salem	..	..	..	..	..	..	8	408	..	..	..	..
Trichinopoly	..	..	2	44	..	..	..	..	..	..	..	..
Tanjore	..	..	..	..	..	..	..	..	..	..	..	..
Total, Central Circle ..	17	9,979	36	11,759	20	19,518	34	5,788	3	28	2	101
Southern Circle.												
South Canara	1	5	3	55	1	60	10	465	..	..	..	..
North Malabar	..	..	..	..	..	..	..	..	..	..	..	..
South Malabar	..	..	..	..	..	..	..	..	..	..	..	..
The Nilgiris	2	160	..	..	..	..	..	..	..	..	..	..
North Coimbatore ..	1	3	4	5,650	1	3	7	7,560	..	..	..	..
South Coimbatore ..	..	..	..	..	4	1,958	2	40	..	..	..	..
Madura	..	..	15	924	1	2	3	41	..	..	..	..
Tinnevelly	2	43	3	345	2	3	6	392	..	..	1	100
Total, Southern Circle ..	6	211	25	6,974	9	2,026	28	8,498	..	..	1	100
Total, Presidency ..	33	12,755	95	59,832	30	21,864	102	18,434	3	28	3	201

Division or Circle.	C. Fires beginning inside the reserve or fire-traced areas—*cont.*										Total A, B and C.	
	By intentional firing.								Causes unknown.			
	In order to obtain new grass.		In order to turn out game or to reduce cover.		Maliciously fired.		Total.					
	Number of fires.	Area burnt in acres.	Number of fires.	Area burnt in acres.	Number of fires.	Area burnt in acres.	Number of fires.	Area burnt in acres.	Number of fires.	Area burnt in acres.	Number of fires.	Area burnt in acres.
	14	15	16	17	18	19	20	21	22	23	24	25
Northern Circle.												
Ganjám	..	..	..	..	5	578	21	2,235	8	89	50	2,788
Vizagapatam	..	..	..	..	2	2,568	2	2,568	..	..	5	(*b*) 4,988
Gódávari	13	4,531	4	13,931	..	..	34	21,098	4	600	58	(*a*) 62,478
Kistna	..	..	1	10	2	63	8	248	6	3,050	14	(*a*) 3,298
Kurnool	..	..	..	..	..	..	..	Notknown	10	34,785	10	34,785
Bellary	..	..	..	..	..	..	3	..	14	2,455	17	(*b*) 2,455
Anantapur	..	..	..	..	..	..	..	..	26	9,106	26	9,106
Total, Northern Circle ..	13	4,531	5	13,941	9	3,209	68	26,149	68	50,085	180	1,19,898
Central Circle.												
Cuddapah	42	24,904	..	..	2	14,800	53	50,205	9	10,915	65	(*a*) 63,054
Nellore	7	3,090	..	..	..	..	7	3,090	1	600	11	4,280
Chingleput	..	..	..	..	..	..	..	..	..	..	..	(*c*) ..
North Arcot	135	30,706	2	400	16	4,693	188	48,534	4	81	221	56,990
South Arcot	..	..	..	..	..	..	..	..	16	4,561	16	4,561
North Salem	13	1,437	..	..	1	5	21	3,233	20	5,659	57	(*a*) 19,687
South Salem	1	20	..	..	1	1,026	10	1,454	54	2,858	64	(*a*) 4,312
Trichinopoly	..	..	..	..	..	..	..	..	2	14	4	(*a*) 58
Tanjore	..	..	..	..	..	..	..	..	..	..	..	..
Total, Central Circle ..	198	60,157	2	400	20	20,524	279	106,516	106	24,688	438	1,52,942
Southern Circle.												
South Canara	9	112	4	42	2	1,075	26	1,754	11	182	41	(*b*) 1,996
North Malabar	..	..	..	..	..	..	..	..	3	518	3	518
South Malabar	..	..	..	..	..	..	..	..	..	..	..	..
The Nilgiris	..	..	..	..	..	..	..	..	..	..	2	160
North Coimbatore ..	..	..	..	..	1	60	9	7,623	74	29,435	88	(*a*) 42,711
South Coimbatore ..	2	45	..	..	1	51	9	2,094	11	460	20	2,554
Madura	3	1,070	..	..	1	2	8	1,115	53	2,639	76	(*a*) 4,678
Tinnevelly	24	12,394	3	1,080	5	1,579	41	15,548	19	7,249	65	23,185
Total, Southern Circle ..	38	13,621	7	1,122	10	2,767	93	28,134	171	40,483	295	75,802
Total, Presidency ..	249	78,309	14	15,463	39	26,500	440	1,60,799	345	1,15,256	913	3,48,642

(*a*) Includes other than protected areas.
(*b*) The discrepancy between this figure and that entered in column 6 of Form No. 51 has not been explained.
(*c*) In column 6 of Form No. 51, an area of 301 acres is entered as having been burnt. The discrepancy has not been explained.

Northern Circle.—In *Ganjám* an area of 2,716 acres under rigid protection was burnt. Most of the fires were of small extent, but a single fire burnt 235 acres and it was due to the traces having been made only to a width of 40 feet. In *Vizagapatam* the protection of forests other than those under systematic treatment was attempted successfully by abolishing fire-patrols and interesting the neighbouring villages in the matter of fire-protection. Large areas were burnt in *Gódávari* by Podu cutters in unreserved lands and by jungle tribes who collect fruit, honey etc., in the reserves. The question of preventing these is being considered. In *Kistna* a case of incendiarism was successfully prosecuted and the accused was convicted and sentenced by the Magistrate. In *Kurnool* no fire-patrols were appointed, but attempts were made to induce the Chenchus to actively assist the department, as without their co-operation, fire conservancy in the Nallamalais will never be successful. There were many fires in *Bellary* and a large majority of them was due to graziers. The question of how best to prevent them is under consideration. In *Anantapur* the Iyampatti reserve bordering the Mysore frontier from which two fires crossed over last year was placed under partial protection. There were 26 fires during the year many of which were believed to be due to incendiarism.

Central Circle.—In all, nine cases of incendiarism in *Cuddapah* were detected and the culprits prosecuted. One case of incendiarism in the Proddatur Nallamalais, lit simultaneously in three points, covered an area of 12,000 acres. Two men were charged and prosecuted but they were acquitted for want of conclusive evidence of identification. In *Nellore* eleven fires occurred in all, covering 4,280 acres, four of which were probably accidental but the other seven were reported to have been lit by the graziers of the adjoining villages with a view to obtain green grass. There was a small fire in the Nagalapuram reserve in *Chingleput* which damaged only grass lands and shrubs. The increase in the number of fires and the area burnt in *North Arcot* was largely due to graziers particularly in the Chandragiri, Palmanér and Pólúr ranges. There were sixteen fires in the specially-protected blocks in *South Arcot* and seventeen in *North Salem* which burnt an area of 4,561 acres and 4,655 acres respectively. Seven of the fires in the latter district were caused by travellers but the causes for the remaining ones were unknown. The offenders were detected in two cases, in one of which the accused was sentenced by the Magistrate while the other case was pending at the close of the year. The increased fire-burnt area in *South Salem* was chiefly due to the Harur specially-protected block having been intentionally set fire to in three places simultaneously. The forest hay stacks in two reserves were also deliberately burnt at night. There were four fires in *Trichinopoly*, two of which crossed over the fire lines and the origin of the remaining two was unknown. In all an area of 58 acres was burnt. Convictions were secured in all the cases taken to Court. As usual there were no fires in *Tanjore* and no protection was considered necessary there being very little grass in the reserves.

Southern Circle.—In *South Canara* 1,000 acres were burnt by a fire caused by carelessness of travellers. There were no fires in the specially-protected blocks in *North* and *South Malabar*. In the *Nilgiris* there were only two fires caused by carelessness in burning fire lines and the area burnt was 160 acres. Except in the Talamalai reserve and the Minchiguli block in *North Coimbatore* there were no fires in the specially-protected blocks. There were twenty fires in *South Coimbatore* which burnt an area of 2,554 acres. In *Madura* the Sholahs on the Upper Palni hills were successfully protected during the year. Of the fires in *Tinnevelly* one crossed the exterior fire lines, five were caused by graziers, one by the carelessness of workmen and one was due to incendiarism.

22. The following statement shows an estimate of the areas in districts which escaped conflagration by their natural constitution or for other reasons :—

District.	Area.	Remarks.
	SQ. MLS.	
Ganjám	33 ...	Scarcity of growth.
Kistna	819·11 ...	Rocky soil with little grass.
Bellary	49 ...	Rocky soil with no growth.
Cuddapah	247·9 ...	Rocky soil with little grass.
Nellore	450 ...	Do.
Chingleput	188·28 ...	No reasons are given.
North Arcot	319 ...	Rock without grass, also scrub jungle or evergreen forests.
South Arcot	468 ...	Want of grass owing to heavy grazing.
North Salem	833 ...	Rocky soil with no grass.
South Salem	689 ...	Do.
Trichinopoly	176 ...	Do.
Tanjore	19 ...	Sandy or marshy soil.
South Canara	218 ...	Rocky soil with no grass.
North Malabar	98 ...	Evergreen forests.
South Malabar	Cannot be correctly estimated in the absence of surveys.	Evergreen ghât forests and a portion of Tope reserve surrounded by water.
South Coimbatore	100 ...	Evergreen forests.
Tinnevelly	296 ...	No reasons are given.

In the *Nilgiris*, *North Coimbatore* and *Madura* no areas are immune. The Collector of *Salem* (*South*) reports that the figures now furnished are unreliable and reliable figures for *Vizagapatam*, *Gódávari*, *Kurnool* and *Anantapur* are not available.

(c) *Protection and Cattle.*

23. The areas open and closed respectively to grazing in each district are shown in Form No. 52 and the number and kind of animals that grazed free or on payment of fees in the reserved forests and lands are recorded in Form No. 53. The total area of reserved forests and reserved lands fell from 19,566 to 19,455 square miles. Of these, 1,867 square miles were closed to all animals during the year and 50 square miles for a portion of the year against 1,727 and 492 square miles, respectively, during 1901–1902. Taking the circles individually, the area closed throughout the year increased while that for part of the year decreased in each.

The total number of all kinds of animals grazed on payment was 3,352,456 against 3,943,743 or 591,287 less than in the previous year. The fall in the number of cattle was chiefly under sheep and goats due to the restriction of areas open to goat-browsing and to sale of goats by the ryots in several places.

Free grazing was permitted in the Agency reserves in *Vizagapatam*. In *Cuddapah* free cutting and removal of grass allowed from all reserves in previous years was discontinued from December 1902. In *North Salem* the usual concession of cutting and removal of grass was continued.

Goat-browsing.—As in previous years goat-browsing was strictly prohibited in *Ganjám*. In *Kurnool* it was stopped in all the reserves except in a portion of the Gani reserve. In *Cuddapah* and *North Salem* an area of 69 and 44 square miles respectively was open to grazing to animals of all kinds including browsers. In *Chingleput* goat-browsing was allowed only on the Royal Artillery range over an area of half a square mile with a view to keep down the growth. In *North Arcot* an area in the Gudiyáttam range was open for browsing. The question of opening portions of reserves for goat-browsing in *South Salem* was under consideration. In *South Malabar* Beypore reserve (54 acres) was the only area open to browsing and non-browsing animals.

24. The following table gives an analysis of the cattle impounded during this and the previous year :—

Districts.	From open forests.		From closed forests.				Total.	
			Holding permits for open forests.	Having no permits.	Holding permits for open forests.	Having no permits.		
	1901–1902.	1902–1903.	1901–1902.	1901–1902.	1902–1903.	1902–1903	1901–1902.	1902–1903.
Northern Circle.								
Ganjám	1,472	1,049	..	2,412	..	1,421	3,884	2,470
Vizagapatam ..	6,081	1,541	..	420	..	..	6,501	1,541
Gódávari	3,490	3,603	..	1,311	..	688	4,801	4,291
Kistna	37,905	6,044	..	14,920	1,256	9,880	52,825	17,180
Kurnool	21,502	31,093	..	3,474	..	5,572	24,976	36,665
Bellary	8,987	13,700	..	2,382	..	568	11,369	14,268
Anantapur	16,158	17,785	..	1,440	..	268	17,598	18,053
Total, Northern Circle ..	95,595	74,815	..	26,359	1,256	18,397	121,954	94,468
Central Circle.								
Cuddapah	(a) 38,020	16,173	..	44,691	..	30,182	82,711	46,355
Nellore	25,299	27,396	..	25,969	..	30,833	51,268	58,229
Chingleput	1,969	5,159	..	3,620	..	509	5,589	5,668
North Arcot	(a) 24,731	16,087	..	(a) 39,890	..	20,814	64,621	36,901
South Arcot	52,999	37,771	..	27,335	..	17,136	80,334	54,907
North Salem	7,944	5,419	..	851	..	7,390	8,795	12,809
South Salem	4,279	4,144	..	10,620	..	9,193	14,899	13,337
Trichinopoly ..	(a) 14,566	15,175	..	(b) 2,085	..	1,163	16,651	16,338
Tanjore	949	993	..	165	..	45	1,114	1,038
Total, Central Circle.	170,756	128,317	..	155,226	..	117,265	325,982	245,582

(a) Revised figure reported by Collector. (b) Newly reported by Collector.

Districts.	From open forests.		From closed forests.				Total.	
			Holding permits for open forests.	Having no permits.	Holding permits for open forests.	Having no permits.		
	1901-1902.	1902-1903.	1901-1902.	1901-1902.	1902-1903.	1902-1903.	1901-1902.	1902-1903.
Southern Circle.								
South Canara ..	(a) 1,272	837	..	122	..	101	1,394	938
North Malabar ..	58	..	..	4	..	..	62	..
South Malabar ..	16	21	..	14	..	(b) 1	30	22
The Nilgiris	562	352	518	93	396	89	1,173	837
North Coimbatore ..	3,044	6,524	..	820	..	1,287	3,864	7,811
South Coimbatore ..	1,407	4,660	..	352	2	1,099	1,759	5,761
Madura	5,285	11,884	..	..	..	..	5,285	11,884
Tinnevelly	520	1,399	..	3,519	..	1,686	4,039	3,085
Total, Southern Circle ..	12,164	25,677	518	4,924	398	4,263	17,606	30,338
Grand Total, Presidency ..	278,515	228,809	518	186,509	1,654	139,925	465,542	370,388

(a) Revised figure reported by Collector. (b) Elephant.

The number of animals of all classes impounded during the year was 370,388 against 465,542 in the previous year, the decrease being most noticeable in *Kistna*, *Cuddapah*, *North Arcot* and *South Arcot*. This decrease was however partly counterbalanced by an increase chiefly in *Kurnool*, *Nellore* and *Madura*. The decrease in *Kistna* is accounted for partly by increase in the number of cattle licensed and partly by better protection. In *Cuddapah* it was due to the deterrent effects the heavy compounding fees had on the graziers and to sale of goats by the owners on account of the enhanced rate of grazing fees. In *North Arcot* the decrease is ascribed to greater vigilance on the part of the forest subordinates and the cattle owners' knowledge of the penalties for default. The fall in *South Arcot* is chiefly due to the rise in the number of permits taken during the year. The increase in the number of cattle impounded in *Kurnool* is accounted for by the prohibition of goat-browsing in the reserves. In *Nellore* it is ascribed to better protection and close supervision over the staff, while in *Madura* it was due to the strict enforcement of rules to prevent illicit grazing with the connivance of forest subordinates.

(*d*) *Protection of growth against injuries from natural causes.*

25. In *Ganjám* the boring larvæ killed a number of casuarina trees and another species of insect defoliated the *Shorea robusta*. The attack was however within small limits, and the species were sent to Mr. Stebbing for suggestion of methods for their destruction. In *Gódávari* a collection was made of the larvæ of the insects that eat teak leaves and borers on *Xylia* trees. Some casuarina seedlings in *Kistna* were damaged by the grub of a beetle which eats the roots, and on the advice of the Superintendent, Calcutta Museum, all dead wood and refuse were cleared away to ensure favourable (*Sic*) breeding. Many of the old casuarina trees began to dry up at the crown for causes yet to be traced. In *Anantapur* the new flush of teak leaves was reported to have been attacked by larvæ and necessary investigation was being made for their identification. In *Cuddapah* different parasites were found to be devastating valuable trees in the reserves near Kodur. Herbarium specimens of the different species were sent to the Government Botanist with a view to their being identified. In *Nellore* no appreciable damage was done by the casuarina borer, apparently due to regular waterings and seasonable rains. In *North Arcot* further specimens of the beetle and of the caterpillar mentioned in the last year's report were sent to the Government Entomologist, Calcutta. Another insect was found to permanently injure the mango trees and specimens of these were being collected for identification. In *North Salem* climbers and creepers affecting standard trees were cut and the sandal trees on the Javadis were similarly released. *Lantana* was gradually spreading itself in *North Malabar*. In *South Malabar* the ravages of the caterpillar in the teak plantations

were cut short by early rainfall. During the year the Forest Entomologist visited the plantations. The *Loranthus* parasites form another source of injury in the district, while the wild elephants damage the young plantations in the Amarampalem range. In the *Nilgiris* the sandalwood plantations were cleared of creepers and *Lantana* to facilitate the growth of seedlings.

4. Sylviculture.

(*a*) *Natural Reproduction.*

26. *Northern Circle.*—In *Ganjám* the seeding of *Shorea robusta* this year was as poor as in the previous season. There was a fair reproduction of *Terminalia tomentosa*, *Terminalia chebula*, *Terminalia arjuna* and wild mango in the *Vizagapatam* district. Reproduction by coppice was also satisfactory. Natural reproduction was good throughout the *Gódávari* district. In *Kistna*, reproduction by suckers in the Guntúr babul working circle was satisfactory. This year, the dibbling of margosa seeds in the Bezwada reserve was successful. The seeds of *Hardwickia binata* germinated in Vinukonda and Palnad ranges especially in the closed areas. Natural reproduction especially that of teak in the Nallamalais in the *Kurnool* district showed marked improvement in the areas successfully protected from fire. Except in the leased forests and in the specially protected *Hardwickia* block of Bellary reserve, there was no natural reproduction by seed in *Bellary* owing to excessive grazing and the dryness of the soil. Coppicing was fair in the areas felled over and placed under protection. In *Anantapur*, regeneration of babul growth was as usual good, of *Dolichandrone crispa* and *Chloroxylon swietenia* fair, and of *Anogeissus latifolia* bad. During the year two sample plots of *Hardwickia binata* and *Chloroxylon swietenia* were selected in Kottakota reserve to gauge the rate of growth and natural reproduction.

Central Circle.—In *Cuddapah* reproduction by coppice, particularly that of redwood, was excellent in the felled coupes of Cuddapah and Sidhout blocks, though two of the coupes were affected by fire to a small extent. In *Nellore* reproduction from coppice continued good in the Sríharikóta reserve, fair in the Sarvepalli and Kávali working circles, good from seed in the palmyra-bearing areas; elsewhere it was poor. In *Chingleput*, seedlings of satinwood, babul and sâl were thriving in the Tiruvallúr range. Coppice growth of *Zizyphus xylopyra*, *Memecylon edule* and *Diospyros ebenum* was favourable and the seeds of *Melia indica* germinated well. Reproduction from seed in *North Arcot* was very encouraging in the fire-protected areas closed to grazing. *Anogeissus latifolia*, *Terminalia tomentosa*, *Pterocarpus santalinus* and *Chloroxylon swietenia* were thriving well in the blocks not damaged by fire. Reproduction from coppice was particularly good in the case of *Premna tomentosa*, *Albizzia amara*, *Pongamia glabra*, *Chloroxylon swietenia*, *Strychnos nuxvomica* and *Anogeissus latifolia*. In the tidal swamp forests of the Cuddalore range, *South Arcot*, the self sown seedlings of the two species of *Avicennia* flourish aided in their germination and growth by periodical inundations. *Acacia Arabica* reproduced itself well and *Melia azadirachta* spread itself in clumps and patches of prickly-pear. In *North Salem* reproduction by seed of *Albizzia amara*, *Chloroxylon swietenia*, *Acacia sundra*, *Prosopis spicigera* and *Melia indica* was fairly satisfactory in the coppiced areas under protection in the Tiruppattúr and Hosúr ranges; that of *Tectona grandis*, *Dalbergia latifolia*, *Pterocarpus marsupium*, *Anogeissus latifolia*, *Albizzia amara* and *Chloroxylon swietenia* was fairly good in the higher slopes and plateau in areas which escaped fire and heavy grazing. Reproduction of sandal was very favourable in fire protected blocks. Reproduction from coppice was very good in the Tiruppattúr range and in some coupes of the Hosúr range. In *South Salem*, regeneration by seed was generally poor owing to untimely rainfall and heavy grazing, though that of sandalwood was fair in the Chitteris and Pachamalais. Reproduction by coppice continued to be good in the felled coupes specially in the case of *Chloroxylon swietenia*, *Albizzia amara*, *Acacia sundra*, *Prosopis spicigera*, *Albizzia lebbek*, *A. odoratissima* and *Lebedieropsis or bicularis*. In *Trichinopoly* natural reproduction from coppice was fair in the Cauvery and Coleroon padugai forests of the Udaiyárpálaiyam range, and in the hill reserved forests of the Vaiyampatti range; that from seed was fair in the Kulittalai range and some self-sown seedlings were noticed in the fire protected and closed reserves of the Musiri and Perambalúr ranges. Reproduction from seed was satisfactory in some of the reserved forests in *Tanjore*. *Memecylon edule* coppiced well while casuarina failed.

Southern Circle.—In *South Canara* reproduction by seed was fair, *Hopea parviflora* being most noticeable and that by coppice was satisfactory. Reproduction of teak by seed was favourable in a small area in the Kurchiat reserve, *North Malabar*, where the surface soil was dug up for the purpose. Reproduction in areas which were fire protected was good. In *South Malabar* reproduction by seed of *Xylia* was good in fire protected localities, more especially in the Nilambur natural forests where *Xylia* and black wood seedlings of three and four years were found; that from coppice in improvement felling coupes was sparse. In *the Nilgiris* natural reproduction of sandalwood from seed was good in Sígúr, that of teak fair in protected areas of Mudumalai. Reproduction by coppice was good in the *Eucalyptus* plantations. In *North Coimbatore* reproduction of sandal from seed and of *Hardwickia* and *Anogeissus* in places not damaged by fire was good and that of sandal from root suckers was encouraging on the Talamalai plateau. In *South Coimbatore* natural reproduction was good throughout the Anamalais though poor in the dry parts of the district. There was good reproduction of satinwood in some forests at the foot of *the Nilgiris*. In *Madura* reproduction by seed in evergreen forests and from coppice in the felled coupes of the deciduous dry areas was good. In *Tinnevelly* natural reproduction continued to be good in all evergreen forests while that in deciduous forests not fire protected was bad. Reproduction from coppice was also satisfactory. The mahogany trees planted at an elevation of 600 feet and in the plains seeded well.

(*b*) *Artificial Reproduction.*

27. The area under plantations, topes and cultural operations with the cost incurred during the year will be found in form No. 54.

The following is a resumé of district reports :—

Northern Circle.—In *Ganjám* an unsuccessful attempt was made to sow sal seeds in the Dabuki and Dowgam reserves. In *Vizagapatam* sandal and divi divi planted in Narasapatnam are thriving, the latter species having been protected from the direct rays of the sun when young. In *Gódávari* 85 acres of casuarina were planted and previous plantings were watered. Twenty-five acres were sown with teak in Marrigudem range. In *Kistna* casuarina was planted in Gopuvanipalem reserve and the casualties in casuarina planted in previous years were replaced. Divi divi planted in Bandar and Guntúr ranges was thriving well, while sissoo planted in Bandar failed. Six hundred out of 2,000 sissoo seeds sown in Bápatla germinated and palmyra seeds were sown along a number of boundary lines. In *Kurnool* an unsuccessful attempt was made to sow babul seed in Veldurti Babul reserve. In *Bellary* the *Kuppigallu* plantations were extended by 5 acres. Tornagallu plantation was abandoned as pigs destroyed the plants as soon as they came up. Date and palmyra seeds were sown in all the plantations. In *Anantapur* no operations were undertaken during the year.

Central Circle.—In *Cuddapah* about 30 per cent. of the palmyra seeds sown in Idupalapaya plantation have survived and are thriving. A number of the seedlings perished owing to a fire. In *Nellore*, 373 acres were planted under the casuarina working-plan and the watering of previous year's plantations was carried out. In *Chingleput* date and palmyrah seeds were sown with success along the boundaries and coupe lines. Divi divi plants in the Meyyur plantations are doing well, and babul seeds were sown broadcast in the Pulrambakkam reserve with successful results. In *North Arcot* divi divi planted during the previous year in Kilminnel plantation was watered during the year. About 188 acres of blanks were dibbled with indigenous seeds, but the operation was not successful. In *South Arcot* casuarina plants were put out in the Cuddalore coast plantation at a less cost than in previous years owing to a more favourable season. A few casualties occurred as usual in the bamboo planted experimentally. In *North Salem* no operations were undertaken except sowing small blanks to aid natural reproduction. In *South Salem* a silver oak plantation on the saddle of the Sanyasimalai reserve was commenced, but many of the seedlings perished partly owing to a fire and partly to the hot weather. The seedlings of tamarind and margosa sown in Chitteri South West Working circle and Mallápuram reserve also perished, but the graft mangoes in the Mallapuram bungalow compound are thriving well. In *Trichinopoly*, as in previous years, nothing was done beyond the sowing of seeds of different species in a reserve of the Musiri range. In *Tanjore* about 36,000 casuarina plants in the North and South casuarina plantations and about 100 bamboo seedlings in the Nadur reserved forest were planted during the year, and the casuarina planted during previous years was watered and maintained.

Southern Circle.—In *South Canara* 250 Kumari passes were issued authorizing the clearing of 514 acres and teak seed was sown in this area. The number of plants surviving out of those planted in previous years is 39,000. In *North Malabar* two plantations of 25 acres each were constituted in Begur and Chedleth ranges composed of teak and vengai. In the Kanoth range 30 acres of Toungya plantation were made of jack and aini seed. Arsenic was put down round the seeds and this kept away the rats. In *South Malabar* 121 acres cleared in the previous year were

planted with teak and 116 acres were prepared for planting. Casualties in the plantations damaged by elephants and other wild animals were replaced. Mahogany is doing well though destroyed by wild animals in places. In *the Nilgiris* no fresh operations were carried out. The young mahogany at Mudumalai, Kallar and Benhope and *Hakea saligna* plants in the Jackal plantations are thriving well. In *North Coimbatore* and *Madura* artificial reproduction was *nil*. In *South Coimbatore* the seedlings in the Tekadi leased forests are doing well though bison and elephants caused damage to them. In *Tinnevelly* there were no regular plantations during the year but the usual operations for reclaiming the sandy wastes of Kudiraimoliteri were undertaken and the area specified in working-plan sown with palmyra seeds. Five acres in Kaliavur reserve were sown with Kolingi (*Tephrosia purpurea*) with success.

(*c*) *Experiments.*

28. The results of experiments made with exotics and other plants are given below. The Conservators have not reported with reference to the remarks of Government in its review of the administration report for 1901–1902 what steps they propose to take in order to concentrate these experiments in selected localities and under selected officers. The subject should be treated at length in the current year's report.

Agave ixtle.—There are two of these in the Kylasagiri hill, *North Arcot*, and six in the Palamadi plantations thriving fairly well as also the 104 plants in Palmaner mentioned in last year's report.

Bamboos.—Some of the bamboos in *South Malabar* were destroyed by the flood of July 1902. The surviving ones were thriving well and attempts were made to propagate the species by raising shoots from the nodes. The bamboos planted in Aladiyur in *Tinnevelly* continue to grow well. Other reserves were also planted up with success and endeavours were made to extend the plantation.

Rubber trees.—Besides the four reported last year in the Palmanér range in the *North Arcot* district two were newly raised during the year. They have attained a height of 6 inches and are vigorous. Arrangements were made for obtaining rubber seeds for experiment in the Rékapalle hills, *Gódávari* district.

(*a*) *Landolphia Kirkii.*—Only two seedlings exist of those reported last year in *South Malabar* and they are about 6″ high.

(*b*) *Landolphia florida.*—Twenty-two of these are doing well in *South Malabar*.

(*c*) *Ceara.*—Those in Tunacaduvu range, *South Coimbatore*, are doing well and grow like weeds. But its cultivation is not valuable as the species is reported to produce little or no rubber of value.

(*d*) *Ficus elastica.*—Ninety-seven seedlings were doing well in *Ganjám* and were ready for transplanting.

(*e*) *Hevea.*—The 25 trees mentioned in last year's report in *South Malabar* were tapped in January last and 11½ lbs. of Hevea seed were sent to the Curator, Botanical Gardens and Parks, the Nilgiris.

(*f*) *Kicksia Africana.*—There are 27 of these in *South Malabar* with an average height of 5 feet. A couple of these were attacked by a borer in December last but have since recovered.

Date trees.—Seeds of the edible date were sown in *Ganjám* in the Napier's Park nursery where there were 112 seedlings at the close of the year. Edible dates were cultivated in all the ranges in *Gódávari*. In *Kistna* nearly 300 acres were sown in past years with date seeds, but failure was almost total owing to late planting. In *Bellary* date seeds were sown in all the plantations. In *North Arcot* there are 76 trees in the Palmanér range and 83 in the Vellore range; they have not yet flowered. The few trees that exist in *North Salem* have not shown any progress and the experiment has proved a failure. In *Trichinopoly* only about a dozen survived out of those planted on the Pachamalais in the Musiri range about 11 years ago, and these are between 5 and 6 feet high. In *Tanjore* 133 plants survived out of 221 put out in 1881 in the Vettangudi reserved forest. No edible date trees grow in *South Canara*, *North Malabar*, *Nilgiris*, *South Coimbatore* or *Madura*. The few edible date trees at Kuttalam *in Tinnevelly* continue to grow, but have not yet produced any fruit. No experiments were made with the edible date in the remaining districts.

Divi Divi.—Seedlings are thriving in nurseries in 2 ranges in *Kistna*. In *Bellary* this was planted in the Kupgal reserve along with other species. The plants in the Kilmiunel plantation in *North Arcot* mentioned in last year's report were doing fairly well. They are very bushy but have not attained any dimensions.

Durian plants.—The surviving plant reported in *North Malabar* is now 30½ inches high. Only one plant survives in *South Malabar* and it now measures 8¼ feet in height.

Eucalyptus.—There are 977 trees in four topes in the Palmanér range, *North Arcot*, but they are languishing; of the 8 fresh seedlings raised during the year 5 have attained a height of about 1 foot.

Grevillea robusta.—No mention is made of the seedlings reported last year in the *Cuddapah* district.

Hæmatoxylon Campeachianum.—A large number of these was reared in pots for the mangrove forests of the delta in *Gódávari.*

Ipecacuanha.—As those in *South Malabar* did not show signs of improvement they were handed over to the Curator of the Government Gardens.

Mahogany.—A number of these plants were ready for transplanting in *Gódávari.* A few that were planted in *Kistna* gradually died away. The surviving plants in *Cuddapah* number 130 and they were doing well; one lb. of the seed was sown this year, but none of the seeds germinated. Ten of the seeds germinated in *Nellore* and the plants were put out in the Kollurpadu experimental plantation. Out of the seedlings raised by sowing 1 lb. of the seeds in different topes and plantations in *North Arcot* only 4 plants survived in the Palmanér and Chittoor ranges. Out of 197 plants that existed in all the ranges in *South Arcot* 170 were put out in *Tirukkóyilúr* and they all died. Of the surviving ones 22 are from 20′ to 42′ high and the rest from 3′ to 6′. All the plants in the Vettangudi reserved forest were thriving and vary from 15 feet to 19 feet in height and 11″ to 3′ 5″ in girth. Some seedlings planted in 2 reserves of the Puttur range, *South Canara*, were thriving fairly well and attained a girth of 15″ at a height of 4 feet. The seedlings sown in the Puttur Range office compound were also doing well. The Mahogany planted at Manantoddy in *North Malabar* were thriving. In *South Malabar* the teak dominating the Mahogany in the Aravillikava plantations was cut out. Specimens of trees affected by the borer were sent to the Forest Entomologist at Dehra Dun. 32 seedlings were raised out of 3 lbs. seed received during the year. In the *Nilgiris* 50 trees in the Jackal plantations were thriving well. 404 plants raised in previous years in *South Coimbatore* were doing well. ½lb of Mahogany seed was sown during the current year, but none of the seeds germinated. The 2 plants put out in Kanavoipatti subordinates' lines in *Madura* survived. The growth of this species in *Tinnevelly* was encouraging and the trees in the ghât forests and plains were in a flourishing condition.

Swietenia macrophylla.—The seedlings raised last year in *Ganjám* all died. Only 2 or 3 plants survive in Napier's Park and though they were planted years ago, they are only 2 or 3 feet in height. There are 27 plants in the Vinukonda and Palnad ranges in *Kistna*, of which 10 attained a height of 3 feet; 6 plants put out in the coast range in *Nellore* were in good condition being about 12 feet in height. There were 20 casualties among the plants in *South Arcot* probably due to neglect, the surviving ones numbering only 77 varying from 3 to 4½ feet in height. The seedlings grown in the Puttur Range office compound, *South Canara*, were growing pretty well as well as those planted in *North Malabar*. The 31-year old big tree in Chathambarai, *South Malabar*, is now 92 feet high, having grown 1 foot in height during the year. The trees planted at Dhoni in the Palghat Range continue to do well being from 18 feet to 35 feet high and the larger ones 27 inches in girth, but one of them was blown down during the year. About 3,100 good seeds were collected from the four trees on the Nilambur hill and they were sown in the office nursery. The plants in the Alagiri Hill reserve in *Madura* were thriving.

Pterocarpus indicus.—The three plants in Manantoddy, *North Malabar*, are from 12″ to 16″ in height having grown about 6″ during the year.

Paspalum dilatatum.—The seed sown in *Kistna* germinated but the grass was allowed to deteriorate in order to find out whether the seeds then collected will find a hardier grass. The experiments made in *Nellore*, *South Arcot* and *South Salem* proved a failure. The grass introduced in the Vengur Padugais, *Trichinopoly*, established well and was in a thriving condition. The experiment made in *Tinnevelly* near the Nazareth bungalow was not successful.

Sterculia elata.—The plants introduced in *South Malabar* all died.

(*d*) *Operations for the Improvement of Growing Stock.*

29. *Northern Circle.*—In *Ganjám* compartment 2 of Kurcholi reserve was worked over as an improvement felling and 696 trees were removed from over 130 acres. In *Gódávari* creeper cutting was undertaken by the subordinates in all except the delta range. In *Kurnool* the removal of creepers and the cutting back of badly grown trees of valuable species in the Railway working circle were continued. Steps were taken to induce ryots to remove *Dalbergia paniculata* free of charge for manuring purposes.

Central Circle.—Creeper cutting was carried out in *Cuddapah* in two compartments of Balapallé working circle, while in *Chingleput* weeding and creeper cutting in felled coupes were done by watchers wherever needed. Prickly-pear was removed from the Palamadi plantation in *North Arcot*. In *South Arcot* the dead and withered trees in some reserves were removed by contractors. The bamboo clumps in Tindivanam were thinned and the culms sold for Rs. 90. In *South Salem* the three bamboo blocks on the Chitteris were sold to contractors who were bound by an agreement to fell the

bamboos systematically. Prickly-pear was removed at a cost of Rs. 436. In *Trichinopoly* all unsightly gnarled and dead trees in certain padugais of the Udaiyár-pálaiyam and Kulittalai ranges were sold by auction and removed.

Southern Circle.—In *South Canara* thinning operations were carried out at a cost of Rs. 36 in the Puttur range and weeding for the growth of cardamom in the Uppinangadi range at a cost of Rs. 25. Three plantations were weeded in *North Malabar* at a total cost of Rs. 790. About 980 acres of teak plantations were thinned in accordance with the provisions of the sanctioned working plans at a cost of Rs. 640 in *South Malabar*. The plants broken by elephants were coppiced in Karimpoya, weeding was carried out in the Nilambur and Amarampalem range and parasites were cleared in the Nilambur range. In the *Nilgiris* thinning operations were carried out in two teak plantations. Crooked and unsound saplings were removed and the upright ones were pruned. In *North Coimbatore* the trees marked for felling in the Minchiguli block were cut down departmentally. Enumeration was carried out somewhat unmethodically in the Vellankombai block and the trees were sold standing. The regular system of extraction of sandal led to improvement in the growing stock. Bamboo thinning was undertaken in two working circles in *South Coimbatore*.

5. Exploitation.

(*a*) System of Exploitation.

(i) *Major Forest Produce.*

(1) *Clear or Regeneration Fellings.*

30. *Northern Circle.*—In *Gódávari* portions of Bandamurlanka plantation and Kandikuppu reserve and in *Kistna* coupe iii of Gopuvanipalem reserve were clear felled.

Central Circle.—In the *Chingleput* district some trees in the Meyyur plantation were felled and sold. About $52\frac{1}{4}$ acres in the casuarina plantations in *South Arcot* were sold standing for Rs. 6,750. In the Madapalle tank bed, *North Salem*, 405 trees were sold standing for Rs. 500 to a contractor who clear felled them. Some babul, etc., trees in two tank beds in the Dharmapuri taluk were clear felled by departmental agency and the fuel and timber extracted were removed to the Dharmapuri sale depot for sale. The coupes prescribed for felling in *South Salem* were not completely felled owing to difficulty in procuring labour. The trees in two coupes in the North and South Casuarina plantations in *Tanjore* were sold standing to contractors who made their own arrangements for felling.

Southern Circle.—In *North Malabar* 120 acres in the Kurchiat reserve were granted on contract to be clear felled for planting teak in 1904, the contractor felling at his own cost, removing what timber he wished and paying Rs. 10 per acre. The felling was not completed at the close of the year. In *South Malabar* 116 acres in Karimpoya reserve were clear felled for the formation of teak plantations. In *South Coimbatore* a portion of coupe 6 left uncut at the end of the previous year was cut and the yield was completely sold. The areas prescribed in working-plans were also cut.

(2) *Selection Fellings.*

Northern Circle.—In *Ganjám* 720 cubic feet of sal timber were removed by purchasers and they consisted of dead sal trees actually felled in 1901–1902; 24,000 cubic feet of timber were removed by Government Agency from unreserved lands, and small depots for the sale of ploughs were opened. Some timber felled and brought into Narasapatam depot in the *Vizagapatam* district could not be sold for want of a good price. In *Gódávari* 200 trees were felled in the Bandamurlanka plantation for supply to the Public Works Department. In *Kurnool*, departmental operations were continued for the supply of timber to depots and 17,313 cubic feet of timber were extracted at a cost of Rs. 7,928. 110 sandal trees in *Bellary* were felled and converted into billets at a cost of Rs. 140. In *Anantapur*, 5,730 cubic feet of wood were sold for Rs. 409 *in situ*, and the wind fallen trees were cut and stacked at a cost of Rs. 26.

Central Circle.—In accordance with the provisions of the Sriharikóta Working Plan, *Nellore* district, 8,078 tons of wood were brought to depot and sold for Rs. 26,253. Three coupes in the casuarina plantations were sold to contractors for Rs. 20,467. Of the minor working plans eight coupes were felled and sold for

Rs. 1,585. The bamboo areas in Tagarai and Parigam, *South Arcot*, were leased out as usual on sylvicultural conditions. In *North Salem* 1,290 cubic feet of sandal-wood were collected and sold for Rs. 15,217 and 2,035 cubic feet of 1st and 2nd class timber were supplied to the Remount Depot for Rs. 1,849. 32,364 cubic feet of fuel were supplied to the Boer camp and the Central jail.

Southern Circle.—In Chedleth Range, *North Malabar*, selection fellings were undertaken on a small scale for supply of teak timber to the Ordnance Department and dinduga, matti and jol poles to the Kolar Gold fields. In *South Malabar* a few trees of inferior species from the natural forests near Nilambúr were removed on permits under selection felling. Timber was extracted in the Tekadi leased forests in *South Coimbatore* under this system.

(3) *Improvement Fellings and* (4) *Coppice Fellings.*

Northern Circle.—In the *Gódávari* district 794 acres in some reserves were cut over under coppice with standards, and in *Kistna* certain coupes in the Guntúr Babul Working Circle and two other ranges were cut under the same system. In *Kurnool* 3,717 acres in the Railway Working Circle and 303 acres in the Ramallakota range were worked under coppice with standards. In *Bellary* the areas in certain coupes left uncut in the previous year were felled during the year under report.

Central Circle.—In *Cuddapah* two coupes in the Balapalle Working Circle, eight coupes in Cuddapah and Sidhout ranges and one in the Seshachalam reserve were treated under coppice with standards. In *Chingleput* eight coupes were sold to contractors to be worked under this system as in the previous year. Some coupes in the Chandragiri range, *North Arcot*, were partly cut departmentally, but several coupes were sold to contractors to be worked under this system. In *South Arcot* the working of Tippakadu reserve was undertaken departmentally, but four regular coupes and three village coupes, 352 acres in all, were sold to contractors to be worked under the system. In *North Salem* six coupes comprising 1,841 acres in all were worked departmentally under coppice with standards by employing sub-contractors, for supply of engine fuel to the Madras Railway, while in *South Salem* the system of departmental felling was adopted in all the working circles. Six coupes with an area of 323 acres in the Vaiyampatti range, *Trichinopoly*, were treated under coppice with standards by contractors. In *Tanjore* an area of 178 acres in the Vettangudi reserved forest was felled by a coupe contractor and the produce realised Rs. 915.

Southern Circle.—In *South Canara* Rs. 2,802 were realised from coupes given on contract to be worked under coppice with standards. In *South Malabar* three reserves were worked under the above system for the supply of railway fuel, while in Ootacamund and Coonoor in the *Nilgiris*, blue gum trees were felled on coppice system without standards to meet public requirements. The working circles of Ayirangal, Chinnar, Singaratope, Walayar, Amaravati, Dhalli and Kamanuthu in *South Coimbatore* were worked under this system. In *Madura* five coupes in the Cumbum range were worked departmentally under the modified permit system and one coupe was sold on contract for Rs. 430. Eighteen coupes in Palamedu range were sold for Rs. 4,857, while 22 coupes in Kanavoipatti were worked departmentally for railway fuel supply. It is regrettable that in many cases there was deviation from the provisions of the working plans, but steps were being taken to avoid it by demarcating in advance the first five coupes of the working circles. In *Tinnevelly* coppice with standard felling was carried on in ten working circles and simple coppicing in certain reserves and two working circles.

(5) *Unregulated Fellings.*

Felling and removal of produce under permits continue in almost all the districts. It is restricted to the removal of inferior classes of timber, fuel and bamboos required in most cases to meet local demand.

Northern Circle.—In *Gódávari* the permit system was in force in the reserves not brought under working plans, but no reserved or first-class trees were permitted to be removed.

Central Circle.—No unregulated fellings were allowed in *Tanjore* and in *North Arcot* under the permit system either for timber or fuel, while in *North Salem*, permit system was confined to unreserved areas only. Certain bamboo blocks in the working circles in *South Salem* were sold to contractors, but in other areas the permit system continued.

Southern Circle.—In *South Canara* Rs. 5,860 were realized from unregulated fellings against Rs. 5,176 in the previous year. In *North Malabar* the usual system of permitting free removals by poor ryots was continued. In *South Malabar* the contractors were allowed to cut bamboos for floating timber purchased by them.

(ii) *Minor Forest Produce.*

(1) *Miscellaneous Produce.*

31. The right of collecting minor produce was leased out to contractors in the usual way.

Northern Circle.—As usual, fees were levied on the exported minor produce from the agency tracts in the *Gódávari* district. In *Kurnool* the revenue under this head was Rs. 29,716 and this includes Rs. 5,710 collected on the sale of tangedu bark for 1903–1904. There was a total failure of the fruit crop, Rs. 895 only having been realized against Rs. 8,351 in the previous year. Rs. 18,026 was collected under tree-tapping. The chief products that contributed revenue under this head in *Bellary* were tangedu bark, fruits, babul pods and date tapping. Babul pods realized this year a less sum of Rs. 2,000 due to their sale as a whole instead of by villages as in previous years.

Central Circle.—In *Cuddapah* Rs. 15,662 were collected from tanning barks and Rs. 20,232 from the usufruct of kanuga (*Pongamia*) and tamarind (*Tamarindus indica*) in the unreserved lands. In *Nellore* the minor produce at Sriharikota was collected departmentally through Yenadis as in previous years and sold to the best advantage. In *Chingleput* Rs. 1,640 were realized from manure leaves removed under permits, while in *North Arcot* 60 maunds of divi divi pods formed an item under minor produce. Of a sum of Rs. 13,766 collected under Minor forest produce in *North Salem*, Rs. 830 were realized by the sale of custard apples. The divi divi pods collected in *Trichinopoly* during this and the previous years were sold to a contractor.

Southern Circle.—In *South Canara* 15 tons 1,600 lbs. of catechu manufactured at a cost of Rs. 188 per ton were sold at Rs. 720 per ton for Rs. 11,313 as against 15 tons and 700 lbs. sold for Rs. 10,714 in the previous year. Forty three maunds (of 25 lbs.) of cardamoms were collected and transported at a cost of Rs. 478 and were sold for Rs. 505. In *North Malabar* honey and wax were collected departmentally, other produce having been leased out to contractors. Rs. 7,450 were realized by the departmental collection of minor produce in three ranges against Rs. 4,762 in the previous year. In *Madura* manure leaves, thatching grass, stone, etc., were allowed to be removed on permits. The majority of the sholas in the Lower Palnis were leased out for cardamom for thirty years at an annual rental of Rs. 3 per acre and in some cases at Rs. 5 per acre.

(2) *Extraction of Fodder.*

32. *Northern Circle.*—In *Kurnool* only Rs. 48 were realized by the removal of grass. There was no demand for kussavu (*Andropogon muricatus*) grass, as the contractors apparently suffered loss during the previous year. The revenue under this head in *Bellary* amounted to Rs. 1,725, or Rs. 373 less than that realized in the previous year. This decrease is attributed to want of proper check in the Sandur range by the Range Officer. The revenue under this head in *Anantapur* rose from Rs. 446 in the previous year to Rs. 751.

Central Circle.—In *Chingleput* a sum of Rs. 41 was realized by the sale of velal grass for thatching purposes. The public were invited by gazette notification and proclamation to remove grass free of cost for hay-making, but none availed themselves of the concession, probably owing to the inferior quality of the grass. Arrangements were made in *South Arcot*, for local issue of permits for cutting grass at 3 pies a head load, but this was not availed of in time by the ryots. In *Trichinopoly*, grass was allowed to be removed either on permits or after sale in public auction of the right to collect for a period of not more than a year.

Southern Circle.—In *South Canara*, the right to collect thatch grass was sold for Rs. 484 as against Rs. 491 in the previous year. In *South Malabar*, the right of cutting and removing grass was not leased out as usual in the Chenab Nair reserve owing to the proposed hay-making experiments. In *South Coimbatore* and *Madura* grass was allowed to be removed on permits.

(3) *Hay-making.*

33. In *Ganjám*, 78 maunds of Baibuli grass were exploited and sent to the Bengal Paper mills at the close of the year. In *Bellary*, about 280 cubic feet of grass was cut and collected in Tornagal reserve at a cost of Rs. 210 for the use of Government bullocks; some fodder grass was cut and stacked departmentally in *Anantapur* at a cost of Rs. 80. In *Cuddapah* an experimental collection of $8\frac{3}{4}$ tons of hay was made departmentally but no part of it was sold. About $3\frac{1}{2}$ tons of hay were made in *North Salem* at a cost of Rs. 36–9–0 but only 2 tons of it were sold for Rs. 20 as there was no demand for it during the year. Arrangements were made in *South Coimbatore* to cut grass in certain areas for conversion into hay.

(4) *Grazing.*

34. The following statement compares the revenue derived from grazing and grass removals during the year with that of the previous year:—

Circle.	1901–1902.	1902–1903.	Difference.
	Rs.	Rs.	Rs.
Northern Circle	2,22,359	2,29,062	+ 6,703
Central „	2,35,118	2,51,331	+ 16,213
Southern „	82,591	98,107	+ 15,516
Total ..	5,40,068	5,78,500	+ 38,432

The increase in the *Northern Circle* was mainly in *Kistna* as the result of a favourable season and of closer supervision over the subordinate staff. This increase was partly counterbalanced by a deficit in *Anantapur* and *Kurnool* due to the prohibition of goat browsing in reserved forests. In the *Central Circle* the increase was chiefly in *North Arcot* and *Trichinopoly*. The increase in *North Arcot* was due to the issue of permits for the six months ending 30th June 1902 at half the rates in 1901–1902 and to the grant of licenses during the year under report for the full forest year 1902–1903; and that in *Trichinopoly* to a more favourable season. The increase in the *Southern Circle* was due mainly to large realization in *North Coimbatore* owing to more rapid collection of fees in the first three months of the grazing season.

(*b*) Outturn and Sources of Forest Produces.

35. The following abstract shows the total outturn of timber and other produce collected during this and the previous year.

(*Forms Nos.* 55, 56, 72*a and* 72*b*.)

—	Timber (in cubic feet) including sandalwood (at 40 cubic feet a ton).		Fuel (in cubic feet) (at 40 cubic feet a ton).		Bamboos (in numbers).		Minor produce (gross value in rupees). *	
	1901–1902.	1902–1903.	1901–1902.	1902–1903.	1901–1902.	1902–1903.	1901–1902.	1902–1903.
1	2	3	4	5	6	7	8	9
By Government Agency ..	389,361	442,500	† 3,965,639	6,941,107	49,709	320,286	38,863	44,903
By purchasers (including confiscations)	2,760,175	2,798,764	10,941,206	11,454,242	38,726,111	35,367,808	‡ 11,13,891	10,55,502
By right-holders	1,731	1,991	257,709	257,899	20,864	22,014	40,463	42,119
By free grantees	60,621	54,303	354,199	7,750	420,934	134,620	4,361	1,731
Total ..	3,211,888	3,297,558	15,518,753	18,660,998	39,217,618	35,844,728	‡ 11,97,578	11,44,255
Increase or decrease in 1902–1903 as compared with 1901–1902	..	+ 85,670	..	+3,142,245	..	—3,372,890	..	— 53,323
Percentage of increase or decrease over the previous year	..	+ 2·7	..	+ 20·2	..	— 8·6	..	— 4·5

* Includes value of grass cut and grazing fees. † Correct figure. ‡ Revised figures.

The results show an increase under all heads except 'Bamboos' and 'minor produce.' The variations are explained below :—

(*c*) Agency of Exploitation.

(i) *By Departmental Agency.*

36. The produce collected and disposed of departmentally during 1902–1903 as compared with the results of the previous year is exhibited in the subjoined statement. It shows also the stock remaining undisposed of at the close of the year. Forms Nos. 55 and 56 show separately the valuable classes of timber and minor produce collected during the year. Transport was chiefly done by country carts, ponies, coolies, donkeys, the railways, boats, etc. The timber felled in *North Malabar* was all dragged by elephants to depots on the forest roads or in places to which carts could be taken. In *South Malabar* the teak saplings felled by local coolies were dragged by elephants to the river banks and were either sold there or floated down to depots.

Produce collected.	During 1901–1902.			During 1902–1903.		
	Quantity.	Cost.	Average.	Quantity.	Cost.	Average.
1	2	3	4	5	6	7
		Rs.	Rs. A. P.		Rs.	Rs. A. P.
Timber .. .. C. ft.	385,462	58,280	0 2 6	439,025	49,371	0 1 10
Fuel .. .. ,,	3,965,639	1,96,630	0 0 9	6,941,107	2,37,338	0 0 7
Bamboos .. .. No.	49,709	1,348	0 0 5	320,286	1,966	0 0 1
Sandalwood .. .. C. ft.	3,899	7,338	1 14 1	3,475	12,762	3 10 9
Minor produce .. .. Mds. (25 lb.)	32,060	20,960	0 10 5	43,379	28,083	0 10 4
Total ..	..	2,84,556	..	..	3,29,520	..

Produce disposed of.	During 1901–1902.			During 1902–1903.			Stock on 1st July 1902.	Stock on 30th June 1903.
	Quantity	Cost.	Average.	Quantity.	Cost.	Average.		
	8	9	10	11	12	13	14	15
		Rs.	Rs. A. P.		Rs.	Rs. A. P.		
Timber .. .. C. ft.	377,571	1,46,352	0 6 2	406,003	1,61,714	0 6 5	* 564,409	597,431
Fuel .. .. .. ,,	4,019,822	2,96,357	0 1 2	6,588,214	3,99,617	0 1 0	884,240	1,237,133
Bamboos .. .. No.	123,795	2,162	0 0 3	325,904	2,935	0 0 2	13,806	8,188
Sandalwood .. .. C. ft.	4,228	21,432	5 1 1	6,618	51,101	7 11 7	* 6,261	3,118
Minor produce Mds. (25 lb.)	34,758	40,663	1 2 9	37,074	44,671	1 3 3	18,439	24,744
Total ..	..	5,06,966	..	..	6,60,038	..	..	..

* Revised figures.

Compared with the results of the previous year there was an increase in the quantity of produce collected under all heads except "Sandalwood".

The increase under "Timber" is noticeable particularly in *South Malabar* and *North Coimbatore* and it is somewhat counterbalanced by decrease chiefly in *Ganjám*, *Cuddapah* and *the Nilgiris*. The increase in *South Malabar* was due to extraction of a greater number of teak saplings and timber obtained from improvement fellings and in *North Coimbatore* to extended operations in the Bhaváni taluk. The decrease in *Ganjám* was due to the collection of timber having been limited to the cutting of boundary and block lines and that in *Cuddapah* to smaller collection of redwood roots and stumps than in the previous year, while in the *Nilgiris* to timber not having been felled in the Mudumalai forests for sale to Mysore contractors as in the previous year.

Under "Fuel" there was a marked increase chiefly in *Vizagapatam*, *Gódávari*, *Kurnool*, *Bellary*, *Cuddapah*, *Nellore* and *Madura*. It was, however, partly counterbalanced by decrease mainly in *Kistna*, *Trichinopoly*, *Tanjore*, *South Coimbatore* and *Tinnevelly*. The increase in *Vizagapatam* and *Gódávari* arose from supplying engine fuel to the Madras Railway Company throughout the year as compared with the partial

supply in the previous year and from the opening of depots in Vizagapatam town and in Cocanada. The demand for fuel from the Southern Mahratta Railway and the Kurnool water-works caused the increase in *Kurnool*. In *Bellary* the increase was due to the carrying out of fellings in compartments provided for in the working-plans and also in unfelled coupes of previous years; and in *Cuddapah* to the departmental fellings undertaken in the fuel coupes in Cuddapah and Sidhout ranges. The excess collection in *Nellore* was only nominal and is accounted for by the fact that the figures of 1901–1902 were based upon the conversion tables, while those of 1902–1903 represent the actual quantity measured in volume. In *Madura* the increase is ascribed to the departmental supply of engine fuel to the railways. The decrease in *Kistna* was due to the railway having reduced the monthly demand from 100 to 25 tons during a portion of the year. The smaller demand for fuel by the Boer camp in *Trichinopoly* and by the South Indian Railway in *Tanjore* was the cause of decrease in those districts. The decrease in *South Coimbatore* was due to the working of a coupe of *Singara* tope working circle by a contractor instead of departmentally and that in *Tinnevelly* to the non-supply of fuel to the Railway Company during the year.

Under "Bamboos" the increase occurred mainly in *Ganjám* where three coupes in the Mohiri hills of the Berhampur range were cut departmentally owing to a considerable demand for the produce.

Under "Sandalwood" the decrease occurred mainly in *North Coimbatore* where the quantity of wood fit for exploitation was found to be less in the coupes assigned for felling during the year.

Under "Minor Produce" the increase was mainly in *North Coimbatore* due to good gall nut crop and to the collection of avaram bark departmentally in Bhavání and Satyamangalam taluks.

Under *disposals* the total quantity shows an increase under all heads.

The increase under "Timber" occurred principally in *Cuddapah* and *North Malabar* partly counterbalanced by decrease chiefly in *South Coimbatore*. In *Cuddapah* the increase was due to sale of redwood roots and stumps of previous year's stock and also to sales of timber from departmental fellings from coupes in Cuddapah, Sidhout and Pullampet ranges, and in *North Malabar* to sale of timber felled on fire lines, to supply of teak timber to the Ordnance Department from selection fellings and of miscellaneous timber to the Kolar Gold Mines. The short disposal in *South Coimbatore* was principally due to the small quantity of timber transported owing to the failure of the contractor, and to the inclusion during the previous year of a large quantity of timber written off the accounts and that used departmentally.

Under "Fuel" the increase occurred mainly in *Vizagapatam*, *Gódávari*, *Kurnool*, *Bellary*, *Cuddapah*, *North Arcot*, and *Madura*. On the other hand there were decreases chiefly in *Kistna*, *Nellore*, *Chingleput*, *South Canara*, *South Coimbatore* and *Tinnevelly*. The increase in *Vizagapatam*, *Gódávari*, *Kurnool*, *Bellary*, *Cuddapah* and *Madura*, and the decrease in *Kistna*, *South Coimbatore* and *Tinnevelly* were due to causes already explained under collection. That in *North Arcot* was due to the supply of casuarina fuel to Messrs. Parry & Co., at Ranipet and to the Central Jail, Vellore, and also to sale of other fuel locally through depots at Ranipet and Chittoor and for sugar-boiling in the Chandragiri range. The decrease in *Nellore* was due to sale during 1901–1902 of the previous year's stock and the stoppage of the felling of certain coupes prescribed for the year for want of offers. That in *Chingleput* was due to a smaller demand from the Ordnance department. The decrease in *South Canara* is accounted for by the fact that several casuarina trees washed down by the sea were sold during 1901–1902.

Under "bamboos" the increase was mainly in Ganjám due to causes already explained under collection.

Under "sandalwood" the increase was chiefly in *North Coimbatore* where the disposals included stock of previous year owing to demand.

Under "minor produce" the increase was principally in *South Arcot* and *South Salem*. In the former district the increase arose by departmental collection and sale of cashew-nuts in the Cuddalore range and in the latter, principally to inclusion of a greater portion of the collected hay.

As regards cost of collection there was a decrease under all heads except "sandalwood." The lower rate under "timber" was mainly due to the smaller quantity of valuable timber felled during the year in *South Malabar* and to the higher rate paid in *South Canara* during 1901–1902 for sleeper operations. The decrease under "fuel" occurred mainly in *Kurnool*, *Bellary*, *Nellore* and *Madura* due to sale of fuel on the spot in some cases and to smaller rate of transport charges. The decrease under "bamboos" was chiefly in *Ganjám* where a very large number of bamboos was extracted departmentally at a comparatively low cost. The increase under "sandalwood" arose from payment of shipping etc., charges on a large quantity of wood exported during the previous year. The decrease in the case of "minor produce" is small and calls for no remark.

The average rate of sales shows an increase under all heads except fuel and bamboos. The increase under "timber" was mainly due to sale of valuable timber in *Gódávari* and *North Malabar*, to higher rate realized for timber in *South Salem* and to sale of a larger quantity of sawn teak to the Public Works Department from *South Coimbatore*. The decrease under "fuel" was mainly due to low prices realized for the produce sold on the spot in some districts; and that under "bamboos" to the extraction and sale at a low cost of a very large number of bamboos from the Mohiri hills in *Ganjám*. The increase under "sandalwood" was due chiefly to sale of mature trees in *North Salem* and *North Coimbatore* and that under "minor produce" was principally in *Nellore* and *North Coimbatore* where better rates were obtained for some of the produce.

(ii) *By Purchasers.*

37. The subjoined abstract shows the quantity and value of timber and other produce removed by purchasers during the year under review as compared with the return of the preceding year:—

(*Form No. 72-A.*)

	During 1901–1902.			During 1902–1903.		
	Quantity.	Amount of sales.	Average.	Quantity.	Amount of sales.	Average.
Northern Circle.		Rs.	Rs. A. P.		Rs.	Rs. A. P.
Timber .. .. .. C. ft.	1,382,044	1,26,256	0 1 6	1,474,806	1,15,133	0 1 3
Firewood .. .. .. ,,	3,157,031	62,903	0 0 4	2,827,264	62,144	0 0 4
Bamboos .. .. .. No.	19,811,602	94,491	0 0 1	16,197,978	81,206	0 0 1
Grass and grazing	..	2,22,359	..	..	2,29,294	..
Minor produce	..	2,38,598	..	..	2,08,744	..
Total ..	..	7,44,607	..	..	6,96,521	..
Central Circle.						
Timber .. .. .. C. ft.	791,949	62,004	0 1 3	727,212	57,487	0 1 3
Firewood .. .. .. ,,	4,349,158	1,61,424	0 0 7	5,007,007	1,72,320	0 0 7
Bamboos .. .. .. No.	12,415,549	62,370	0 0 1	12,027,196	59,539	0 0 1
Grass and grazing	..	2,34,667	..	..	2,52,776	..
Minor produce	..	* 2,24,789	..	..	1,99,202	..
Total ..	..	* 7,45,254	..	..	7,41,324	..
Southern Circle.						
Timber .. .. .. C. ft.	423,763	52,104	0 1 11	530,447	64,931	0 1 11
Firewood .. .. .. ,,	3,394,268	1,09,369	0 0 6	3,559,517	1,16,831	0 0 6
Bamboos .. .. .. No.	6,459,578	25,852	0 0 1	7,098,804	29,778	0 0 1
Grass and grazing	..	82,591	..	..	98,120	..
Minor produce	..	1,10,126	..	..	65,864	..
Total ..	..	3,80,042	..	..	3,75,524	..
Presidency Total. Timber .. .. C. ft.	2,597,756	2,40,364	0 1 6	2,732,465	2,37,551	0 1 5
Presidency Total. Firewood .. .. ,,	10,900,457	3,33,696	0 0 6	11,393,788	3,51,295	0 0 6
Presidency Total. Bamboos .. .. No.	38,686,729	1,82,713	0 0 1	35,323,978	1,70,523	0 0 1
Presidency Total. Grass and grazing ..	..	5,39,617	..	..	5,80,190	..
Presidency Total. Minor produce	..	* 5,73,513	..	..	4,73,810	..
Grand Total of Sales ..	..	* 18,69,903	..	..	18,13,369	..

* Revised figure.

The total value of removals by purchasers shows a net decrease of Rs. 56,534 as compared with the previous year as shown in the margin. The decrease occurred under all heads except "Fuel" and "Grass and Grazing". Under "Timber" there was a noticeable decrease chiefly in *Ganjám*, partly counterbalanced by an increase mostly in *Kistna* and *South Coimbatore*. The decrease in *Ganjám* was due to the stoppage of the sale of sâl trees pending preparation and sanction of working-plans. This accounted also for the lower price realized for timber in the Northern Circle as compared with the previous year. The increase in *Kistna* arose from keen competition at sales of coupes; that in *South Coimbatore* was due to the dead timber contracts in Pollachi range and to the amalgamation of the Walayar reserve with the district.

	Rs.
Timber	— 2,813
Fuel	+ 17,599
Bamboos	— 12,190
Grass and grazing	+ 40,573
Minor produce	— 99,703
Total ...	— 56,534

Under "Fuel" there was an increase chiefly in *Chingleput*, *North Arcot* and *South Arcot* partly counterbalanced by decrease mostly in Trichinopoly. In *Chingleput* the increase resulted from the sale of a large quantity of fuel to private bodies from unreserved lands and in *North Arcot* from the sale of a larger number of coupes to contractors for supply of engine fuel, for charcoal burning, jaggery boiling and local supply; in *South Arcot* it was due to the classification in taluk accounts of all timber in darkhast valuations as fuel. The decrease in *Trichinopoly* was mainly due to departmental felling of coupes in the Vaiyampatti range for supply of fuel to the Railway in place of the sale of coupes in that range to contractors during 1901–1902.

Under "Bamboos" the decrease was mainly in *Gódávari* due to the limited demand for bamboos, sugarcane being cultivated during the year to only a small extent.

The variations under "Grass and grazing" have been already explained in paragraph 34.

Under "Minor produce" the decrease occurred mainly in *Kurnool*, *Bellary*, *Nellore*, *North* and *South Salem*, *South Canara*, *Madura* and *Tinnevelly* partly counterbalanced by increase principally in *North Arcot* and *Trichinopoly*. The total failure of the fruit crops in *Kurnool*, the poor produce in reserved forests in *Bellary* coupled with plague in that district, and the fall in mica revenue in *Nellore* account for the decrease. Want of competition among contractors owing to prevalence of plague in the Tiruppattúr and Hosúr ranges and the slackness of demand for tanning barks which were not exported in large quantities owing to the introduction of the *chrome* process of tanning leather and the dullness of the market for tamarind fruit accounted for the decrease in *North Salem*. In *South Salem* the decrease was due to want of competition among bidders at sales and to the small amount realized from sale of usufruct of toddy-yielding trees from Government waste and poramboke lands; in *South Canara* to the fact that the amounts from sale of minor produce for 1901 and 1902 were credited to the accounts of 1901–1902, and in *Madura* to the previous year's figure having included the sale proceeds of the right of cultivation on lands leased out for cardamom cultivation and as well to the collection of excess rent on the excess area cultivated with cardamom and to smaller recoveries for minor forest produce generally. In *Tinnevelly* the decrease was due to the inclusion in 1901–1902 of revenue of other years as explained in the previous year's report. The increase in *North Arcot* arose from departmental issue of permits for manure leaves and grass during 1902–1903 in lieu of leasing out these products on contract as was done during 1901–1902 and in *Trichinopoly* to better prices realized for tanning bark, to increased sale of manure leaves in Musiri and Perambalúr ranges, to sale of face value permits to permit-issuing gumastahs on the prepayment system and to the crediting in the accounts of 1902–1903 of two years' lease amounts of certain minor produce let out for three years.

The permit system worked satisfactorily in almost all the districts. In some the system was in force only for manure leaves, grass and bamboos. Illicit removal under cover of permits was prevalent chiefly in *Kistna* and *Trichinopoly* and all possible steps were taken to prevent it. The prepayment permit system was introduced into the districts and was working satisfactorily. The system of recovering a large number of the permits issued, for check with the counterfoils, has been on the whole successfully carried out in all the districts.

38. The sales of confiscated produce during the year under report as compared with those of the previous year are recorded in the subjoined abstract:—

(*Form No. 72-B.*)

	During 1901–1902.			During 1902–1903.		
	Quantity.	Value.	Average.	Quantity.	Value.	Average.
Northern Circle.		Rs.	Rs. A. P.		Rs.	Rs. A. P.
Timber .. .. C. ft.	140,391	9,703	0 1 1	44,847	3,782	0 1 4
Firewood .. .. .. ,,	9,123	211	0 0 4	12,725	537	0 0 8
Bamboos .. .. No.	27,703	112	0 0 1	14,817	152	0 0 2
Minor produce .. Money value.	..	233	..	..	841	..
Total ..	..	10,259	..	..	5,312	..
Central Circle.						
Timber .. .. C. ft.	12,476	1,971	0 2 6	11,042	1,980	0 2 10
Firewood .. .. .. ,,	4,328	279	0 1 0	18,176	739	0 0 8
Bamboos .. .. No.	8,617	68	0 0 2	22,233	84	0 0 1
Minor produce .. Money value.	..	428	..	..	412	..
Total ..	..	2,746	..	..	3,215	..
Southern Circle.						
Timber .. .. C. ft.	9,552	1,513	0 2 6	10,410	2,115	0 3 3
Firewood .. .. .. ,,	27,298	1,008	0 0 7	29,553	947	0 0 6
Bamboos .. .. No.	3,062	22	0 0 1	6,780	75	0 0 2
Minor produce .. Money value.	..	100	..	..	249	..
Total ..	..	2,643	..	..	3,386	..
Presidency Total.						
Timber .. .. C. ft.	162,419	13,187	0 1 4	66,299	7,877	0 1 11
Firewood .. .. .. ,,	40,749	1,498	0 0 7	60,454	2,223	0 0 7
Bamboos .. .. No.	39,382	202	0 0 1	43,830	311	0 0 2
Minor produce .. Money value.	..	761	..	..	1,502	..
Grand Total ..	..	15,648	..	..	11,913	..

The amounts realized by sales show a decrease of Rs. 3,735. This occurred mainly in *Gódávari* where less drift timber was recovered than in the previous year.

(iii) *By Right-holders.*

39. The following abstract statement shows the quantity and value of produce removed by right-holders:—

	Timber.		Fuel.		Bamboos.		Minor produce.	Grazing.	Total value.
	Cubic feet.	Value.	Cubic feet.	Value.	Number.	Value.	Value.	Value.	
		Rs.		Rs.		Rs.	Rs.	Rs.	Rs.
Northern Circle	1,311	94	257,510	4,825	20,489	128	38,950	1,309	45,306
Central ,, ...	..	..	..	..	..	..	..	356	356
Southern ,, ...	680	62	389	20	1,525	5	1,472	32	1,591
Total ..	1,991	156	257,899	4,845	22,014	133	40,422	1,697	47,253

The value of produce removed under rights during the year is estimated at Rs. 47,253 against Rs. 46,063 in 1901–1902. The increase was due to the maximum rates of grazing fees being introduced in the Nallamalai hills of the *Kurnool* district.

(iv) *By free-grantees.*

40. The following abstract statement shows the quantity and value of produce removed by free grantees:—

	Timber.		Fuel.		Bamboos.		Minor produce.	Grazing.	Total value.
	Cubic feet.	Value.	Cubic feet.	Value.	Number.	Value.	Value.	Value.	
		Rs.		Rs.		Rs.	Rs.	Rs.	Rs.
Northern Circle	26,268	2,570	..	..	103,950	529	168	27	3,294
Central ,, ...	21,608	1,961	1,336	31	23,180	146	83	1,439	3,660
Southern ,, ...	6,427	699	6,414	51	7,490	6	14	..	770
Total ..	54,303	5,230	7,750	82	134,620	681	265	1,466	7,724

There was a reduction in the estimated value of free-grants from Rs. 17,821 in the previous year to Rs. 7,724 in the year under review. No grants were made in *Vizagapatam*, *Chingleput*, *Tanjore*, *South Canara*, *South Malabar*, *South Coimbatore* and *Madura*. In the remaining districts the grant was made chiefly to poor ryots for rebuilding houses and huts destroyed by fire.

CHAPTER III.—FINANCIAL RESULTS.

41. The financial results of the circles during the year under review are compared below with those of the previous year and with the average of the five years preceding it. There was a net increase of Rs. 15,851 over the previous year's return and Rs. 1,70,691 over the average yearly surplus since 1896:—

	Years.					Average per year.	1901-1902.	1902-1903.
	1896-97.	1897-98.	1898-99.	1899-1900.	1900-1901.			
Revenue.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Northern Circle	5,97,422	5,99,670	6,14,046	7,13,954	7,79,146	6,60,848	8,86,581	8,64,915
Central ,, ...	9,48,547	8,88,834	8,73,772	9,63,093	9,34,847	9,21,819	10,22,586	10,17,632
Southern ,, ...	6,42,948	6,62,610	5,87,436	6,36,460	7,29,780	6,51,847	5,87,327	7,10,232
Total ..	21,88,917	21,51,114	20,75,254	23,13,507	24,43,773	22,34,514	24,96,494	25,92,779
Expenditure "A. Conservancy and Works".								
Northern Circle	2,42,025	2,06,027	1,98,750	2,29,397	2,13,108	2,17,861	2,31,660	2,55,084
Central ,, ...	3,06,570	2,78,206	2,48,912	2,85,449	2,76,620	2,79,151	3,20,428	2,92,415
Southern ,, ...	2,79,605	2,84,977	3,20,139	3,17,555	3,86,322	3,17,720	3,35,137	4,24,886
Total ..	8,28,200	7,69,210	7,67,801	8,32,401	8,76,050	8,14,732	8,87,225	9,72,385
Expenditure "B. Establishments".								
Northern Circle	2,23,255	2,61,999	2,59,525	2,65,661	2,57,146	2,53,517	2,58,497	2,59,801
Central ,, ...	2,78,212	2,78,281	2,81,023	2,94,553	3,14,479	2,89,310	3,10,844	3,10,342
Southern ,, ...	2,58,210	2,78,999	2,83,800	2,95,581	2,90,515	2,81,421	2,89,555	2,84,027
Total ..	7,59,677	8,19,279	8,24,348	8,55,795	8,62,140	8,24,248	8,58,896	8,54,170
Total of A and B.								
Northern Circle	4,65,280	4,68,026	4,58,275	4,95,058	4,70,254	4,71,379	4,90,157	5,14,885
Central ,, ...	5,84,782	5,56,487	5,29,935	5,80,002	5,91,099	5,68,461	6,31,272	6,02,757
Southern ,, ...	5,37,815	5,63,976	6,03,939	6,13,136	6,76,837	5,99,140	6,24,692	7,08,913
Total ..	15,87,877	15,88,489	15,92,149	16,88,196	17,38,190	16,38,980	17,46,121	18,26,555
Net results.								
Northern Circle	+ 1,32,142	+ 1,31,644	+ 1,55,771	+ 2,18,896	+ 3,08,892	+ 1,89,469	+ 3,96,424	+ 3,50,030
Central ,, ...	+ 3,63,765	+ 3,32,347	+ 3,43,837	+ 3,83,091	+ 3,43,748	+ 3,53,358	+ 3,91,314	+ 4,14,875
Southern ,, ...	+ 1,05,133	+ 98,634	— 16,503	+ 23,324	+ 52,943	+ 52,706	— 37,365	+ 1,319
Total ..	+ 6,01,040	+ 5,62,625	+ 4,83,105	+ 6,25,311	+ 7,05,583	+ 5,95,533	+ 7,50,373	+ 7,66,224

The gross receipts exceeded those of the previous year by Rs. 96;285 and the total expenditure was greater by Rs. 80,434. The increased Revenue was in the Southern Circle alone there being a decrease of Rs. 21,666 and Rs. 4,954 in the Northern and Central Circles, respectively. The expenditure increased in the Northern and Southern Circles by Rs. 24,728 and Rs. 84,221, respectively, and decreased by Rs. 28,515 in the Central Circle. The net results in all the circles (including the Southern Circle which showed a deficit in the previous year) show an increase. The small surplus in the Southern Circle was due mainly to large items of expenditure incurred under "A Conservancy and Works" which will be referred to. The outstanding revenue due to the department at the close of the year under review was Rs. 1,90,675 against Rs. 1,73,311 at its commencement. The estimated value of produce in stock at the close of the year was Rs. 43,974. The variations under the several budget heads of revenue and expenditure during the past two years are explained below :—

Receipts.

(i) *By Departmental Agency.*

Timber + *Rs.* 15,362—Due mainly to the disposal of the previous year's stock of felled timber in *North Malabar.*

Fuel + *Rs.* 1,03,260—Due mainly to the supply of a larger quantity of engine-fuel in *Kurnool, North* and *South Salem* and *Madura.*

Bamboos + *Rs.* 773—Due to the extraction and sale of bamboos from three coupes opened in the Mohiri hills in *Ganjám.*

Sandalwood + *Rs.* 29,669.—A larger quantity of sandalwood was sold at better prices in *North Salem* and outstanding revenue of the preceding year was collected in *North Coimbatore.*

Minor produce + *Rs.* 4,008.—The increase was mainly in *Nellore* and *South Coimbatore* and was due in the former district to greater attention paid to their collection at Sríharikóta and in the latter to collection and sale of a larger quantity of cardamoms and gallnuts.

(ii) *By Purchasers.*

Timber—*Rs.* 6,236.—The decrease was mainly in *Ganjám, Gódávari* and *North* and *South Salem* partly counterbalanced by increase chiefly in *Kistna, South Coimbatore* and *South Malabar.* The stoppage of the sale of sâl trees pending the preparation and sanction of working-plans gave rise to the decrease in *Ganjám,* while the slack demand for timber and the difficulty in procuring contractors to work compartment I of the Rékapalle forest was the cause of the decrease in *Gódávari.* The decrease in *North* and *South Salem* resulted from smaller receipts for value of growth on darkhast lands. Keen competition at the coupe sales in *Kistna* and the removal of large quantities of dead timber in Pollachi range together with the amalgamation of the Walayar reserve with the South Coimbatore district accounted for the increase in those districts, while that in *South Malabar* arose from the removal of a larger quantity of wind blown and dead trees.

Fuel + *Rs.* 8,371.—The increase was mainly in *Chingleput* and *South Malabar.* In the former district it was due to the disposal of a larger quantity of firewood sold to private bodies from unreserved lands, and in the latter to the removal of trees for clearing fire lines in certain reserves and to sales of trees from the coupes of Kannipoya reserve.

Bamboos—*Rs.* 7,223.—The decrease occurred mainly in *Gódávari* but was partly counterbalanced by increase chiefly in *South Salem* and *North Coimbatore.* The decrease in *Gódávari* arose from a smaller demand for bamboo props owing to diminution of sugarcane cultivation in that district, while the increase in *South Salem* was due to the working under the permit system of a larger area than before. The favourable prices realized at sales of coupes in *North Coimbatore* gave rise to the increase in that district.

Grazing and fodder grass + *Rs.* 38,432.—The reasons for the increase are explained in paragraph 34.

Other produce—*Rs.* 90,673.—The deficits were mainly in *Kurnool*, *Bellary*, *Anantapur*, *Nellore*, *North Salem* and *Madura*. The low price of tanning bark (*Cassia auriculata*) and the bad fuel crop brought down receipts in *Kurnool*, *Bellary*, *Anantapur* and *North Salem* where also the low price of tamarind adversely affected the return. Plague was also a drawback in *Bellary* and *North Salem*. In *Nellore* the decrease was due to the depression in the mica-mining industry, while in *Madura* cardamoms brought in no revenue.

(iii) *Miscellaneous (including confiscated drift and waifwood).*

Revenue + *Rs.* 542.—The variation is small and needs no remarks.

EXPENDITURE.

A. Conservancy and Works.

The expenditure shows an increase of Rs. 85,160 over that of the previous year and was due mainly to (1) increased expenditure in *Kurnool*, *South Salem* and *Madura* necessitated by the large supplies of engine fuel made to railway companies, (2) departmental collection of avaram bark in *North Coimbatore* and the retention in that district throughout 1902–1903 of the minor produce supervisors and watchers who were employed for a portion only of the year 1901–1902, (3) purchase of nine elephants by the Southern Circle from the Chief Supply and Transport Department and (4) amount of compensation awarded for the acquisition of the Wynaad Syndicate land in *North Malabar*.

B. Establishments.

The cost of establishment decreased by Rs. 4,726, due to less travelling allowance drawn by officers of all classes and to the adjustment of the cost of uniforms supplied to forest guards by the Superintendent of Stationery in the accounts of the Stationery Department instead of in those of the Forest Department as hitherto.

Revenue.—*Kurnool* heads the list by contributing 14 per cent. of the net surplus, *Gódávari* and *Kistna* stand next with 12 per cent. each, followed by *North* and *South Salem* each 10 per cent., *Nellore* and *Bellary* each 9 per cent.

CHAPTER IV.—ADMINISTRATION.

42. *Conference of District Forest and Divisional-officers during jamabandi.*—The instructions on this subject were attended to in all the districts except *Gódávari*, *Tanjore*, *Nilgiris* and *Malabar*. In the last named three districts it is reported that there was no necessity for a conference. In *Gódávari* the District Forest-officer failed to attend, but a complaint being preferred to a Divisional-officer regarding high scale of charges for trees on darkhast lands the rates were reduced. In *Ganjám* complaints were made regarding the abolition of the permit system on the Mohiri hills and the points complained of have been rectified. In *Kurnool* no conferences were held during jamabandi as the District Forest-officer was otherwise engaged; but it is reported that he had discussed matters with Divisional-officers on many occasions during the year. In *Nellore* the insufficiency of goat-browsing areas and the abandonment of a proposed reserve were urged; steps were taken to comply with the needs. In *North Arcot* the chief request was to disafforest certain reserves in Chittoor range and the matter was under consideration during the year. In *Trichinopoly* there was demand for areas for goat-browsing resulting in the preparation of a scheme which was being considered.

43. *Conference of Forest-officers.*—Two conferences were held during the year in the Central Circle presided over by the Conservator of Forests. Several important subjects were discussed and recorded in the form of a proceedings.

44. *Conduct and Work of Establishment—Northern Circle.*—The conduct of the executive staff in *Kistna* was very unsatisfactory; one Ranger was reduced, another was fined a month's pay for conniving at illicit fellings and a third was suspended for

overstaying his leave. One Deputy Ranger and one Forester were suspended pending explanation of serious charges. Grave complaints were made against one Acting Ranger, one Deputy Ranger and one Forester. Two Foresters in *Kurnool* were removed from service. In *Bellary* one Ranger was reduced to Forester's grade for incompetence and neglect of duty and one Forester was suspended for six months for disobedience of orders. In *Anantapur* the conduct of the executive staff was not good. One Deputy Ranger was dismissed.

Central Circle.—The conduct of the executive staff in *Cuddapah* and *North* and *South Salem* was, with a few exceptions, satisfactory. In *Nellore* two Foresters were suspended for insubordination and disobedience of orders. One Deputy Ranger in *Chingleput* was under suspension in connection with irregularities in his range. In *North Arcot* a Ranger was suspended for a year for misconduct and irregularities and the period of suspension was subsequently reduced to eight months. In *Trichinopoly* one Ranger was reduced temporarily to Deputy Ranger's class for not having reported a case of temporary misappropriation and one Deputy Ranger was suspended for three months for having hushed up a forest offence. A Forester in *Tanjore* was being prosecuted for having misappropriated Government revenue. He has since been convicted.

Southern Circle.—In *South Canara* the services of two Foresters were dispensed with for unsatisfactory work. The work of one of the Rangers was far from satisfactory. In *North Malabar* one Forester was suspended and criminally prosecuted for misappropriation of Government money and sentenced to four years' rigorous imprisonment with a fine of Rs. 800. In *South Malabar* the conduct of a Forester who was supposed to have connived at extensive illicit fellings was under enquiry. One Deputy Ranger in *North Coimbatore* was suspended for serious irregularities and one Forester in *South Coimbatore* was dismissed for fraudulently passing first-class poles as second-class ones. In *Madura* the services of a Forester were dispensed with. A Deputy Ranger and a Forester were placed under suspension in connection with large deficiency in fuel stacks and another probationary Deputy Ranger was prosecuted for extortion. In *Tinnevelly* one Ranger was suspended and reduced for dynamiting a river and another was suspended for neglect of work and incompetence.

The conduct of the protective staff was not satisfactory. Several forest guards and watchers were fined, suspended or dismissed for gross neglect of duty and misconduct and some were convicted criminally and sentenced to various terms of imprisonment for misappropriation, etc. The prosecution of the Revenue gumastah in *Gódávari* ordered in 1901 ended in his conviction. In *North Salem* one forest guard was murdered by four illiterate persons in a thick jungle. One of the accused was taken as an approver and the other three were sentenced to death and executed.

The conduct of the clerical establishment was fair.

45. *Health of the establishment.*—In the *Northern Circle*, the health of the establishment was generally good in all the districts. In *Ganjám* the subordinates suffered a good deal from fever during the first half of the year. In *Gódávari* it continued to be as bad as usual and many casualties occurred amongst subordinates due to fever and dysentery contracted while on duty. In *Kurnool* the Nallamalais were, as usual, unhealthy. In the *Central Circle* the subordinates employed in parts of *Cuddapah*, and in the Coast and Sríharikóta ranges in *Nellore* suffered badly from malarial fever. The Tenmalais or Kalroyan hills in *South Arcot* and Pachamalais in *Trichinopoly* continued to be unhealthy. One Forester in *North Salem* died of malarial fever and consumption contracted on the Javadis. In *South Salem* the health of the staff was far from satisfactory and there were frequent attacks of fever. In the *Southern Circle* malarial fever was as usual prevalent in *South Canara* in the ghât tracts during the months of March to May. The subordinates in the Mudumalai and Segur ranges of the *Nilgiris* suffered much from malaria. *North* and *South Coimbatore* continued unhealthy and there were casualties in the former district; *Madura* and most parts of *Tinnevelly* continued to be healthy. The subordinates in *North Malabar* suffered from fever during the hot weather.

46. *Service books.*—These are reported to have been maintained and verified in all districts except *Nellore*, *North* and *South Arcot* where some books still remained for verification. In some districts the books have been verified up to the end of the financial year, while in others they are brought up to the close of the forest year.

47. *Tours of the Forest Member.*—The Hon'ble Mr. (now Sir Frederick) Nicholson was Forest Member of the Board up to 4th August 1902. During the remaining portion of the forest year the Hon'ble Mr. H. A. Sim, C.I.E., held the Forest portfolio, and visited the districts of Salem, Chingleput, North Arcot, South Arcot, Tanjore and Nellore.

48. *Conservators' inspections—Northern Circle.*—The Conservator visited all the districts and inspected all District Forest-offices except Kurnool.

Central Circle.—The Conservator visited all the districts except Tanjore and inspected all District Forest offices. He was also in charge of the Southern Circle temporarily from 26th November to 25th December 1902.

Southern Circle.—The Conservator visited the districts of his circle with the exception of *South Canara*, *North Malabar* and *North Coimbatore*. All the District Forest-offices except those of *South Canara* and *North Malabar* were inspected by him.

49. *Touring of District Forest-officers.*—All the District Forest-officers except those of *Chingleput* and *South Coimbatore* spent more than half the year in camp. In the former district the short touring was due to the illness of the District Forest-officer and in the latter to the charge having been held by the Conservator of Forests for more than a month.

50. *Inspection of Range offices by District Forest-officers.*—The Range offices in all the districts except *Vizagapatam*, *Gódávari*, *Kistna*, *Kurnool*, *Cuddapah*, *Nellore*, *North and South Arcot*, *Nilgiris* and *South Coimbatore* were inspected twice. In the districts excepted some Range offices were inspected only once and others twice.

51. *Audit of the accounts of the District Forest-offices.*—The accounts of all the District Forest-offices except *Bellary*, *Anantapur* and *South Canara* were as usual audited by the Local Fund inspecting staff of the Accountant-General's office and the results were reported to be satisfactory except in *Nellore*, *Tanjore* and *South Salem* and remedial measures are being adopted.

52. *Forest School.*—A Deputy Ranger from each of the *Northern* and *Southern Circles*, and three Deputy Rangers and one stipendiary student from the *Central Circle* were sent to the school during the year. A stipendiary student of the Northern Circle and another of the Central Circle, and four Government students from the Southern Circle returned from the school with Rangers' certificates. Two of the students of the *Southern Circle* passed with honours. Proposals for the training of Forest Guards locally are under consideration.

53. *Work and services of Superior officers—Northern Circle.*—Mr. A. W. Lushington, the Acting Conservator of Forests, forwards the following note on the work of the District Forest-officers written by Mr. Porter who was in charge of the Circle till 10th April 1903 :—

"Mr. Arbuthnot in *Bellary* and Mr. Dawson in *Kistna* have been most energetic in inspecting their forests and in putting a stop to the illicit grazing and felling which were formerly prevalent.

"Mr. Battie has done good work in keeping things going in the enormous forest area of the *Kurnool* district which is far too extensive for one District Forest-officer.

"Mr. Wood as usual has done good work in *Gódávari* especially in preparing preliminary working-plans, a work for which he is specially competent owing to the intimate knowledge he possesses of the requirements of the forests and of the adjoining inhabitants.

"Mr. Fischer spends much time in camp and is endeavouring to develop his forests. He is thoroughly acquainted with the forests of the *Ganjám* district and he is now engaged in preparing preliminary working-plans for them.

"Messrs. Aitchison and Barlow-Poole have only assumed charge of districts comparatively recently but both have shown by better work in the *Vizagapatam* and *Anantapur* districts respectively, that they are keen, active and intelligent officers."

Mr. Lushington adds the following: "As far as the undersigned has been able to see he fully endorses Mr. Porter's opinion and would also commend Mr. Aitchison's excellent protection in *Vizagapatam*, Mr. Wood's zeal in investigating schemes for opening out the Gódávari forests, Mr. Battie's indefatigable energy in carrying through

the vast work of supplying 20,000 tons of firewood to the Southern Mahratta Railway and Mr. Barlow-Poole's careful attention to the development of the working plans in his district."

Central Circle.—The following is an extract from the Collectors' remarks in district reports with the opinion of the Conservator Mr. E. D. M. Hooper:—

Cuddapah.—The Collector considers "The administration of the department by the District Forest-officer and his staff during the year satisfactory". The Conservator says "Mr. Scot has no doubt worked with great earnestness" and so has Mr. T. Bapu Rao the Extra Assistant Conservator attached to the district.

Nellore.—The Collector says "Mr. Murray certainly does not spare efforts to increase the efficiency of the department". The Conservator adds "I consider that if he were more hopeful of forest work in this Presidency, he would be more successful".

Chingleput.—The Collector says "Mr. Woutersz did the best he could with an inadequate and inefficient establishment. The revenue exceeded the budget estimate by nearly Rs. 5,000 and marked progress was made in the preparation of maps and working plans. The falling off in prosecutions is also a matter for congratulation". The Conservator remarks "Mr. Woutersz was on leave during part of the year and was crippled for several other months and I do not share the Collector's opinion completely".

North Arcot.—The Collector says "Mr. Thornton proceeded on sick leave in March last. I have been well satisfied with the work of Mr. C. M. Maduranayakam Pillai who succeeded him". The Conservator agrees.

South Arcot.—The Collector writes "The forest administration of the district has been satisfactory on the whole during the period under report. Mr. Peake continues to show himself a most zealous and painstaking officer". The Conservator agrees.

North Salem.—The Collector reports "The District Forest-officer, North Salem, Mr. Rama Rao has done excellent work during the year and the results of the division of the district into two have been satisfactory". The Conservator agrees.

South Salem.—The Collector says "Mr. Lodge's work has been throughout satisfactory during the year. I consider that there has been a general improvement due to his efforts in forest administration as far as is possible with a small staff". The Conservator adds "Mr. Lodge having been relieved of half his charge by the division of the district and of working plan work by a special officer has had more leisure to devote to details of administration".

Trichinopoly.—The Collector writes "The District Forest-officer Mr. T. M. Nallaswami Naidu has done really excellent work. He is untiring in his efforts to improve the forest administration of the district and he has succeeded to a marked extent". The Conservator agrees and adds "He has had a very wearisome task which he has performed admirably".

The Conservator, Central Circle, also brings to notice the good work done by Mr. V. S. Gurunatha Pillai, Extra Assistant Conservator, as Working Plans Officer.

Southern Circle.—Mr. C. E. Brasier, the Conservator of Forests, writes as follows:—"All the District Forest-officers of the Circle appear to have worked efficiently and well, but as I was only in charge of the Circle for half of the year, I must confine my remarks regarding individual works to those officers whose districts I inspected during the year. They are as follows:—

Mr. Bryant in Madura has done excellent work in supplying the South Indian Railway with fuel and in securing further large contracts for the current and subsequent years of 7,000 and 12,000 tons respectively. He has also shown considerable aptitude in working the numerous working-plans in force in his district.

Mr. Jackson in South Coimbatore has worked satisfactorily in his somewhat difficult charge although he suffered from ill-health during a part of the year.

Mr. Richmond in Tinnevelly has been very energetic. He takes an intelligent interest in his work and is eminently suited to his charge which requires a young and active officer."

CHAPTER V.—General.

54. *Realization of revenue from the usufruct of toddy-yielding trees on Government waste and poramboke lands.*—In *Ganjám*, *Vizagapatam*, *Trichinopoly* and *North Coimbatore* the revenue under this item was small. In *Gódávari* there was an increase of Rs. 2,493 over last year's collection, and in *Kistna* and *Kurnool* the revenue amounted to Rs. 6,419 and Rs. 18,026 respectively. The fixed fee system was in force in *Bellary*, *North Arcot* and *Anantapur* and there was an increase in the revenue in the former two districts and a decrease in the last-named district. The annual rate charged per palmyra and date tree continued to be one anna in *Nellore* and the revenue realized was Rs. 2,293 against Rs. 2,609 in the previous year. In *Cuddapah* the system of charging a fixed fee of 4 annas per tree was continued and the revenue amounted to Rs. 6,130 which was chiefly from trees on unreserved lands. In *South Arcot* and *North Salem* the usufruct of such of the trees as were not taken up under the fixed fee system was leased out subject to the condition that the lessees were not to interfere with the usual privileges of the people. There was a fall in revenue in *South Salem* from Rs. 3,210 to Rs. 1,930 and this is attributed to the sales not having been conducted in proper season. In *South Malabar* there are no toddy-yielding trees while in *South Coimbatore* such trees are very few in reserved forests. As in the latter district no toddy is drawn from date and palmyra trees they are not tapped and applications for tapping licenses were therefore few. The revenue under this head in *Madura* was insignificant as there are very few toddy-yielding trees in the district. The change from the fixed fee system to the auction system in *Tinnevelly* resulted in a marked increase in the revenue derived from unreserved lands.

55. *Measures adopted to encourage the growth of manure-leaf-yielding trees and shrubs.*—In the *Northern Circle* steps were taken to encourage the growth artificially only in *Kistna* for want of demand since the ryots in some districts are not in the habit of using leaf manure and in others they obtain an adequate supply of leaves outside the reserves. In *Kistna* though there existed no demand for leaf manure, seeds of Kanuga (*Pongamia glabra*) were sown in the forests adjoining irrigated areas on the sea coast. In *Bellary* Kanuga leaves were sold direct to the agriculturists at a fixed rate per acre as there were complaints of excessive charge by contractors. In the *Central Circle* very little was done in this direction except in *North Arcot* and *Trichinopoly*. In the latter district experimental sowing of different species was made in about one acre of a reserve and this is reported to be doing fairly well; while in the former district the blanks of certain reserves were sown with *Cassia auriculata* and other indigenous species but the operation is reported to be not fully successful. In *Chingleput* where the demand is greatest, provision for the extension of the growth of leaf-yielding species is being made in the working plans under preparation. In *Nellore* endeavours were made to popularize the use of manure leaves from reserved forests by publishing the rules, the ignorance of which prevented people from resorting hitherto to Government forests for leaves. In *Cuddapah* and *North Salem* the supply in reserves and unreserved lands was sufficient to meet the demand. In *South Arcot* an experiment has been started with a view to watching the effect of treating scrub as a miniature pure coppice to be cut over every year so that intensive working may be introduced if a sustained yield is obtainable. In the *Southern Circle* a portion of Baindur reserve in *South Canara* was thrown open for collection of manure leaves free of charge. In *South Malabar* and *North Coimbatore* no action is called for; the ryots are allowed in the latter division to remove from unreserved lands free of charge the leaves of *Pongamia glabra* and *Tephrosia purpurea*. According to the provisions of working plans the sowing of suitable species in certain working circles was undertaken in *South Coimbatore* where the demand is small and is met from unreserved lands. The sanctioned working plans in *Madura* provide for the necessary supply. In *Tinnevelly* seeds of *Tephrosia perpurea* sown in Gangaikondan reserve were washed away after a shower of rain owing to the hardness of the soil. An area of 5 acres in the same reserve was sown with avaram and vagai, of which

the avaram germinated, but the growth is said to be stunted. Steps were being taken to encourage the growth of manure-yielding shrubs by the grant of poramboke lands on cowles for the cultivation of Kolingi (*Tephrosia purpurea*) and other shrubs.

56. *Supply of Forest produce to meet the wants of the people.*—In *Vizagapatam* people felt no difficulty in obtaining permits for forest produce from permit-issuing stations, a large number of which exist in the district. In *Gódávari* the demand in the Agency was met from unreserved lands and in the district proper provision is being made in the working plans under preparation for a supply from Reserved Forests. In *Kurnool* agricultural and domestic implements were manufactured and distributed to different places for sale. Certain cartmen at Chelama who have been of great assistance to the department in carrying fuel to depots were permitted to cultivate a small area in the clearings round the railway station and the concession kept the cartmen at the disposal of the department throughout the year. The Chenchus of Garapenta were also allowed to cultivate a small area in the Markapur reserve on payment of an annual assessment of As. 2 per acre on condition of their protecting the forests from fire. Arrangements were made in *Bellary* to sell timber and firewood from two depots to the public. In *Cuddapah* the usual collection of redwood in Pullampet and its periodical sales were continued. The sale of agricultural and building materials obtained from the fellings in the fuel coupes was extended to Sidhout during the year. These sales at Cuddapah and Sidhout are reported to have been satisfactory and the prices realized profitable. In *Chingleput* a large number of coupes were opened for sale of fuel to the public and the number of permit-issuing stations was also increased. The people did not purchase permits for removal of produce from a number of the coupes and this is attributed to their better understanding of the rules for the free removal of produce from unreserved lands for domestic consumption. Permits were freely issued in *Nellore*. In *North Arcot* permits were issued departmentally for manure leaf and grass, the system of leasing these products having been stopped. Timber and fuel were sold to the public from depots and the coupe contractors were also bound to sell agricultural implements to the ryots. The seigniorage on manure leaf was reduced from 3 to 2 pies a head-load. In *South Arcot* the people obtained permits for green manure leaves from the lessees of minor forest produce in reserves and the coupe contractors were required to supply fuel, timber and agricultural implements to the public at fixed rates. Instances of delinquencies on the part of contractors and lessees were enquired into and punished. In *North* and *South Salem* agricultural implements were as usual sold to the ryots from depots at a nominal profit. Several depots have been opened for supply of fuel and timber to the chief towns and it is also proposed to open some more depots in *South Salem*. Permit-issuing stations were located at convenient centres in *Trichinopoly* and five more have been added during the year. The wants of the people in *South Malabar* were met from private forests. In *Madura* the local demands were met under the provisions of the working-plans and by opening coupes in the vicinity of the villages. In *Tinnevelly* agricultural implements were sold at seigniorage rates from the babul areas under working-plans. In other districts also it is believed that reasonable arrangements have been made and the working-plan officers are making provision in the working-plans to meet the wants of the people.

57. *Rules under the Forest Act.*—The timber transit rules are reported to have worked satisfactorily without hardship in *Ganjám*, *Gódávari*, *Kistna*, *Kurnool*, *Cuddapah*, *South Coimbatore* and *South Canara*. In *North* and *South Salem* and *North Coimbatore* sandalwood transit rules worked satisfactorily. Timber transit rules were still under revision for *North Arcot* and *Madura*.

58. *Rules under section 26 of the Forest Act.*—The privileges allowed by these rules were generally availed of by the public and no complaints or abuses were brought to notice except in *Gódávari*, *Kurnool*, *South Salem* and *North Coimbatore*. In the Bhadráchalam taluk of the *Gódávari* district the cutting of valuable timbers by the Koyas who abused the privileges was prevented with much effort. In *Kurnool* there were several cases of clearing land for cultivation before payment of tree-value. In *South Salem*, as usual, there were cases of felling and damaging reserved trees on unreserved lands and of clearing lands for cultivation without darkhast and payment of the value of trees thereon. In *North Coimbatore* intelligent villagers who were aware of their privileges are reported to have abused them with much profit to themselves

and disadvantage to the poorer classes. A portion of Baindur reserve in *South Canara* was as usual thrown open to the public for the collection of dry firewood, manure leaves and grass free of charge. The system of selling permits like stamps, as a safe guard against defalcations, was introduced in almost all the districts.

59. *Coffee cultivation in reserved forests.*—In South Salem the agreement for 83 cents of land leased out in 1900 was executed and the land was handed over to the planter. In *South Coimbatore* the execution of regular leases for all the estates was pending completion of their correct survey which was being attended to. The approximate area cultivated in the estates amount to 3,186 acres.

60. *Suits.*—In *Trichinopoly* an appeal on behalf of Government filed in the District Court against the Forest Settlement-officer's decision in Mogavanur block was disposed of adverse to Government and a second appeal was preferred to the High Court, the result of which was awaited. In *South Canara* the appeals preferred by the claimants against the orders of the Forest Settlement-officer in respect of four blocks proposed for reservation were pending in the High Court. In *South Malabar* two civil suits regarding claims to unreserved lands and one important criminal suit regarding illicit felling and removal of trees from the Silent valley reserved land were pending. In *Tinnevelly* three civil suits were pending, two of them were claims to portions of Tirukkurungudi and Pápanasam reserves and one to the waterfall at Courtallam by the temple.

61. *Inventory of valuable stock.*—Stock registers are reported to have been maintained and verified in all the districts. In *Nellore* and *North Arcot* the registers were revised, the differences being reconciled and the missing articles written off or paid for by the subordinates responsible for their loss. In *South Salem* the register in the District Forest-office is reported not to be in good order and steps are being taken to set it right.

62. *Elephants.*—The elephant in *Vizagapatam* was in poor condition for some time and is reported to have since improved. The two elephants in *Kurnool* continued to be in good health. The health of the three elephants in *South Canara* was fair, but they are reported to have suffered from boils. In *Nilgiris* Dodda Lakshmi, the old animal, is reported to be too weak for work owing to frequent attacks of zaharbad. Elephant-capturing operations were carried out in *North* and *South Malabar* and the number of animals secured was 13 and 2 respectively. Of the 13 elephants in the former district two died and one was shot being too large to be released from the pit with safety. Nine elephants were purchased from the Military department during the year for Rs. 9,200. One animal in *North Malabar* and two in *South Coimbatore* died. Five animals in *North Malabar* were sold in auction. The number of animals at the close of the year was 74 against 61 of the previous year. Orders were passed on the report of the Superintendent of the Veterinary Department referred to in the two previous reports, and the Conservator, Southern Circle, was asked to place himself in communication with the local officers in Dacca and Burma with a view to secure the services of a few really first-class mahouts, who can train others here, and one specialist in the diseases of elephants, and to ask for advice and opinion as to the scales of food, the times and method of feeding, the hours of work, etc., adopted by them and as to the effect of sun and heat upon elephants. It is reported that similar difficulty is experienced in those provinces. A proposal from the Government of India regarding the abolition of the pit-fall system in favour of the system of noosing or driving into kheddahs was under consideration at the close of the year.

63. *Rain-gauges.*—Readings are reported to have been properly recorded in the districts where the rain-gauges are placed except in *South Salem* and *South Canara* where they are reported to be unreliable.

64. *The saw mill at Mount Stuart.*—The total quantity of logs sawn into boards and scantlings during the year was 20,394 cubic feet against 16,507 in the previous year.

65. *The wire ropeway at Mount Stuart.*—The aggregate number of loads sent down the wire ropeway was 435 of 7,123 cubic feet against 395 of 9,316 cubic feet in the previous year, and the saving effected as compared with the road transport was $4\frac{1}{2}$ pies per cubic foot against $6\frac{1}{2}$ pies in the preceding year.

66. *Mica, etc.*—In *Nellore*, of the 44 mines which remained at work at the beginning of the year, fourteen were relinquished and one fresh lease was sanctioned during the year. Thus the number of mines was reduced to 31 at the close of the year. There were five mines in patta lands and four of them were relinquished during the year. Ten mines are reported to have been working in shrotriem and zamindari lands. Mining operations were carried on only in 24 mines in Government land and owing to unusually heavy rains several were rendered unworkable for a major portion of the year. The total quantity of mica consigned from the district was 357,614 lbs. against 398,187 lbs. in the previous year, and the royalty collected thereon was Rs. 12,429 against Rs. 21,961 in the previous year. The short consignment was reported to be due to several of the principal mines not having been worked in consequence of rains. The demand for flimsy mica and chitkas was much enhanced and that for splittings has revived. The introduction of micanite was reported to have greatly affected the demand for large plates and the uncertainty of the market tends to prevent outlay upon extensive machinery.

In *Gódávari* the plumbago mines in the Rekapalli hills were worked on a small scale and Rs. 636 were realized as royalty.

A prospecting license for gold mining in Kunchikeri village in *Bellary* district was applied for and issued. Licenses for mining gold were issued in Kollegal and Satyamangalam in *North Coimbatore* and a surface rent of Rs. 738–8–0 was collected.

67. *Forest Museum.*—Several specimens were added during the year to the Museum at Coimbatore. The ornamental garden attached to the Museum has also been well kept up.

APPENDICES.

APPENDIX A.—District areas and Forest reserves.

District.	Total area excluding feudatory and tributary states.	Area excluding zamindari, whole inam villages and minor inams in ryotwari tracts.	Occupied area.	Particulars of remaining area (columns 3—4).			Reserved forests and reserved lands.			Percentage of column 10 to column 3.	Percentage of column 10 to column 7.
				Unoccupied, cultivable, uncultivable and forest areas.	(b) Areas for which returns are not available.	Total of columns 5 and 6.	Reserved forests under Act V of 1882.	Reserved lands.	Total of reserves (columns 8 and 9).		
1	2	3	4	5	6	7	8	9	10	11	12
Northern Circle.	ACS.	ACS.	ACS.	ACS.	ACS.	ACS.	ACS.	ACS.	ACS.		
Ganjám	5,357,760	2,841,014	410,107	713,242	1,717,665	2,430,907	343,287	1,302	344,589	12·12	14·17
Vizagapatam	11,035,181	844,796	175,517	315,285	353,994	669,279	190,700	30,009	220,709	26·12	32·97
Gódávari	5,102,080	(a) 2,577,209	1,040,414	1,536,795	..	1,536,795	609,245	47,955	657,200	25·50	42·76
Kistna	5,438,720	3,597,409	2,071,038	1,418,349	108,022	1,526,371	612,460	29,725	642,185	17·85	42·07
Kurnool	4,808,960	(a) 4,217,418	1,401,996	2,815,422	.	2,815,422	1,493,327	219,146	1,712,473	40·60	60·82
Bellary	3,615,623	(a) 2,974,834	1,844,038	1,130,796	..	1,130,796	365,383	41,437	406,820	13·67	35·97
Anantapur	3,558,532	(a) 3,018,044	1,486,402	1,531,642	..	1,531,642	326,089	..	326,089	10·80	21·29
Total ..	38,946,856	20,070,724	8,429,512	9,461,531	2,179,681	11,641,212	3,940,491	369,574	4,310,065	21·47	37·02
Central Circle.											
Cuddapah	5,582,760	(a) 4,856,149	1,428,081	3,428,068	..	3,428,068	1,418,143	100,460	1,518,603	31·27	44·29
Nellore	5,609,600	2,610,206	1,138,109	1,463,741	8,356	1,472,097	472,761	5,708	478,469	18·33	32·50
Chingleput	1,979,040	1,312,689	664,871	641,919	5,899	647,818	136,788	24	136,812	10·42	21·11
North Arcot	4,726,031	2,506,610	896,160	1,603,331	7,119	1,610,450	826,015	332	826,347	32·96	51·31
South Arcot	3,338,230	3,037,311	1,675,405	1,314,219	47,687	1,361,906	424,650	..	424,650	13·98	31·18
Salem	4,818,780	3,448,923	1,450,151	1,998,772	..	1,998,772	965,222	96,586	1,061,808	30·78	53·12
Trichinopoly	2,323,840	1,718,475	1,100,335	614,353	3,787	618,140	189,258	12,400	201,658	11·73	32·62
Tanjore	2,371,685	1,592,342	1,143,541	439,226	9,575	448,801	12,395	..	12,395	00·77	2·76
Total ..	30,749,966	21,082,705	9,496,653	11,503,629	82,423	11,586,052	4,445,232	215,510	4,660,742	22·10	40·22
Southern Circle.											
South Canara	2,576,000	2,564,008	519,084	2,044,924	..	2,044,924	423,475	261,767	685,242	26·72	33·50
Malabar	3,736,294	3,717,909	1,062,969	2,654,940	..	2,654,940	287,417	33,004	320,421	8·61	12·06
Nilgiris, The	612,627	(a) 612,894	200,673	412,221	..	412,221	258,258	60,662	318,920	52·03	77·36
Coimbatore	5,031,297	(a) 4,732,280	2,512,126	2,220,154	..	2,220,154	1,276,921	202,880	1,479,801	31·27	66·65
Madura	5,640,462	(a) 2,078,822	1,120,693	958,129	..	958,129	390,042	6,096	396,138	19·05	41·34
Tinnevelly	3,448,791	2,282,930	1,479,894	799,387	3,649	803,036	278,896	890	279,786	12·25	34·84
Total ..	21,945,471	15,988,843	6,895,439	9,089,755	3,649	9,093,404	2,915,009	565,299	3,480,308	21·76	38·27
Grand Total ..	90,742,293	57,142,272	24,821,604	30,054,915	2,265,753	32,320,668	11,300,732	1,150,383	12,451,115	21·78	38·52

(a) Area by village papers has been adopted, as it is in excess of the survey area.

(b) The figures shown in this column represent the difference between the professional survey area and the corresponding area according to village papers except in the case of Ganjám and Vizagapatam where they represent the area of agency tracts for which returns are not available.

APPENDIX D.—Reserved forests in square miles.

Districts.	Up to 1901–1902.	During 1901–1902.	During 1902–1903.	Total.
1	2	3	4	5
Northern Circle.	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.
Ganjám	501	36; (b) — 1	..	536
Vizagapatam	224	21	53	298
Gódávari	951	..	1	952
Kistna	839	81	37	957
Kurnool	2,232	64	31; (a) + 38; (a) — 31; (b) — 1	2,333
Bellary	545	11; (a) + 5	10	571
Anantapur	508	..	2	510
Total ..	5,800	217	140	6,157
Central Circle.				
Cuddapah	2,129	62	27; (b) — 2	2,216
Nellore	698	25	16	739
Chingleput	213	1	..	214
North Arcot	1,196	7; (a) + 63	26; (a) — 1	1,291
South Arcot	693	9; (a) — 41	2	663
North Salem	1,323	82	13; (a) + 2	813
South Salem		(a) + 65	13; (a) + 26; (a) — 16	695
Trichinopoly	264	5	27	296
Tanjore	18	(a) + 1	..	19
Total ..	6,534	279	133	6,946
Southern Circle.				
South Canara	647	16; (b) — 1	..	662
North Malabar	201	30	..	231
South Malabar	223	(c) — 5	..	218
The Nilgiris	397	4	2	403
North Coimbatore	1,108	1	215; (a) + 9	1,333
South Coimbatore	657	5	..	662
Madura	598	13; (b) — 1	(a) — 1	609
Tinnevelly	424	(a) + 7	5	436
Total ..	4,255	69	230	4,554
Grand Total ..	16,589	565	503	17,657

(a) Revised Estimate. (b) Disafforested. (c) Transferred to South Coimbatore.

APPENDIX C.—Particulars of balance of Lands under Settlement.

Forest Settlement.

District.	Total number and area of blocks brought under settlement up to the end of 1902–1903.		Total number and area of blocks constituted finally as reserved forests up to end of 1902–1903.		Balance at the end of 1902–1903.	
	Number.	Area.	Number.	Area.	Number.	Area.
1	2	3	4	5	6	7
Northern Circle.		SQ. MLS.		SQ. MLS.		SQ. MLS.
Ganjám	51	538	49	536	2	2
Vizagapatam	52	298	52	298	..	..
Gódávari	85	1,027	84	952	1	75
Kistna	228 (c) — 2	1,006 (a) + 2, (b) — 4, (c) — 8	216	957	10	39
Kurnool	98 (d) — 1	2,631 (a) + 7, (b) — 7, (d) — 1	73	2,333	24	297
Bellary	145	574	142	571	3	3
Anantapur	80	510	80	510	..	..
Total ..	736	6,573	696	6,157	40	416
Central Circle.						
Cuddapah	216 (d) — 2	2,389 (b) — 14, (d) — 2	207	2,216	7	157
Nellore	235 (c) — 2	755 (c) — 4, (b) — 3	222	739	11	9
Chingleput	197	214	196	214	1	(e) ..
North Arcot	193	1,294 (b) — 3	192	1,291	1	(e) ..
South Arcot	157	663	157	663	..	..
North Salem	75	923 (a) + 2, (c) — 1	68	813	7	111
South Salem	103	727 (a) + 10, (b) — 2	99	695	4	40
Trichinopoly	119	316 (a) + 2, (b) — 3	113	296	6	19
Tanjore	15	19	15	19	..	..
Total ..	1,306	7,282	1,269	6,946	37	336
Southern Circle.						
South Canara	116	752	95	662	21	90
North Malabar	23	235	22	231	1	4
South Malabar	12	218	12	218	..	..
The Nilgiris	426 (a)—1	412	387	403	38	9
North Coimbatore	49	1,641 (a) + 9, (b) — 8	43	1,333	6	309
South Coimbatore	21	662	21	662	..	..
Madura	149	619	147	609	2	10
Tinnevelly	64	437	61	436	3	1
Total ..	859	4,977	788	4,554	71	423
Grand Total ..	2,901	18,832	2,753	17,657	148	1,175

(a) Rectification. (b) Excluded at settlement. (c) Initial notification cancelled.
(d) Disafforested. (e) Below one sq. mile.

APPENDIX C.—Particulars of balance of Lands under Settlement—*cont.*

District.	Settled and reported on.								Settled but not reported on.		Settlement proceeding.	
	Notified under section 16 during 1902-1903, but reservation effected only after 30th June 1903.		With Board or Government awaiting publication of Notification under section 16.		Returned by the Board for revision and remaining either with Collector, District Forest-officer or Forest Settlement-officer.		Total settled and reported on.					
	Number.	Area.	Number.	Area.	Number.	Area.	Number.	Area.	Number.	Area.	Number.	Area.
	8	9	10	11	12	13	14	15	16	17	18	19
Northern Circle.		SQ. MLS.		SQ. MLS.		SQ. MLS.		SQ. MLS.		SQ. MLS.		SQ. MLS.
Ganjám	..	..	1	2	..	..	1	2	1	(a) ..	..	..
Vizagapatam	..	..	..	..	..	..	..	..	..	..	..	..
Gódávari	..	..	..	..	..	..	..	..	..	..	1	75
Kistna	..	..	1	7	4	13	5	20	2	12	3	7
Kurnool	5	35	6	61	..	..	11	96	3	21	10	180
Bellary	2	3	..	..	..	..	2	3	..	..	1	(a) ..
Anantapur	..	..	..	..	..	..	..	..	..	..	..	..
Total ..	7	38	8	70	4	13	19	121	6	33	15	262
Central Circle.												
Cuddapah	..	..	..	..	3	128	3	128	4	29	..	..
Nellore	..	..	2	1	..	..	2	1	2	1	7	7
Chingleput	..	..	..	..	..	..	..	..	..	..	1	(a) ..
North Arcot	..	..	..	..	..	..	..	..	..	..	1	(a) ..
South Arcot	..	..	..	..	..	..	..	..	..	..	..	..
North Salem	..	..	1	19	..	..	1	19	2	6	4	86
South Salem	1	9	1	6	..	..	2	15	1	21	1	4
Trichinopoly	..	..	..	..	1	4	1	4	4	12	1	3
Tanjore	..	..	..	..	..	..	..	..	..	..	..	..
Total ..	1	9	4	26	4	132	9	167	13	69	15	100
Southern Circle.												
South Canara	..	..	..	..	1	5	1	5	5	21	15	64
North Malabar ..	..	..	..	..	..	..	..	..	..	..	1	4
South Malabar ..	..	..	..	..	..	..	..	..	..	..	..	..
The Nilgiris	5	(a) ..	10	3	..	..	15	3	5	1	18	5
North Coimbatore ..	..	..	3	45	..	..	3	45	1	1	2	263
South Coimbatore ..	..	..	..	..	..	..	..	..	..	..	..	..
Madura	..	..	1	1	..	..	1	1	..	..	1	9
Tinnevelly	..	..	..	..	..	..	..	..	..	..	3	1
Total ..	5	(a) ..	14	49	1	5	20	54	11	23	40	346
Grand Total, Presidency.	13	47	26	145	9	150	48	342	30	125	70	708

(a) Below one square mile.

APPENDIX C.—Particulars of balance of Lands under Settlement—*cont.*

Districts.	Of lands notified under section 4.																			
	1891-92.		1893-94.		1894-95.		1895-96.		1896-97.		1897-98.		1898-99.		1899-1900.		1900-1901.		1901-1902.		1902-1903.	
	Number.	Area.	Number.	Area.	Number.	Area.	Number.	Area.	Number.	Area.	Number.	Area.	Number.	Area.	Number.	Area.	Number.	Area.	Number.	Area.	Number.	Area.
	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41
Northern Circle.		S. M.		S. M.		S. M.		S. M.		S. M.		S. M.		S. M.		S. M.		S. M.		S. M.		S. M.
Ganjám ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	2
Vizagapatam ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Gódávari ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	75	..	..
Kistna	..	..	..	..	..	..	..	..	1	5	1	7	..	..	..	..	7	20	1	7	..	..
Kurnool ..	..	..	..	..	..	..	..	..	..	..	2	125	..	..	..	..	3	18	11	125	8	29
Bellary ..	..	..	..	..	..	..	..	..	1	3	..	..	..	..	..	..	..	..	2	(*a*)	..	..
Anantapur ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total ..	..	..	..	..	..	..	..	..	2	8	3	132	..	..	..	..	10	38	15	207	10	31
Central Circle.																						
Cuddapah ..	..	..	..	..	5	140	..	..	..	..	2	17	..	..	..	..	..	..	..	..	..	..
Nellore	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1	..	..	2	1	8	7
Chingleput ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	(*a*)
North Arcot ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	(*a*)
South Arcot ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
North Salem ..	..	..	..	..	..	..	1	19	..	..	..	..	..	..	1	5	5	87	..	..	..	..
South Salem ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	9	2	27	1	4	..	..
Trichinopoly ..	..	..	..	..	..	..	..	..	2	6	..	..	4	13	..	..	..	..	..	..	..	..
Tanjore ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total ..	..	..	..	..	5	140	1	19	2	6	2	17	4	13	3	15	7	114	3	5	10	7
Southern Circle.																						
South Canara ..	..	..	..	..	1	3	2	9	2	8	..	..	2	21	..	..	1	2	4	15	9	32
North Malabar ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	4	..	..
South Malabar ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
The Nilgiris ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	36	9	2	(*a*)	..	..
North Coimbatore	1	247	1	34	..	..	..	..	..	..	..	..	..	..	..	..	2	11	2	17	..	..
South Coimbatore	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Madura ..	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	9	..	..
Tinnevelly ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	(*a*)	2	1
Total ..	2	248	1	34	1	3	2	9	2	8	..	..	2	21	..	..	39	22	11	45	11	33
Grand Total ..	2	248	1	34	6	143	3	28	6	22	5	149	6	34	3	15	56	174	29	257	31	71

(*a*) Below one square mile.

Appendix D.—Causes of delay in the submission of final notifications of Forest reserves.

Districts.	Causes of delay.														
	Notified under section 16 during 1902–1903, but with effect only after 30th June 1903.	With Board or Government awaiting publication of notification under section 16.	Pending preparation of maps.	Awaiting disposal of appeals.	Awaiting expiry of time prescribed for appeal.	Only recently notified or re-notified under section 4.	Awaiting payment of compensation for acquisition or exchange of lands.	Awaiting settlement of claims under enquiry.	Awaiting District Forest-officers' answers to claims, demarcation, &c.	Settled, but final report pending with the Collector or Forest Settlement-officer.	Pending with the Collector or Forest Settlement-officer for revision of notification.	Awaiting replies to references made to Collector or the Board.	Awaiting inspection by the Forest Settlement-officer.	Other causes, *i.e.*, awaiting information from Tahsildars, return of records from the District Court, &c.	Total.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Ganjám	..	1	..	..	..	..	..	..	..	1	..	..	..	..	2
Vizagapatam	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Gódávari	..	..	..	..	..	..	..	1	..	..	..	..	..	..	1
Kistna	1	..	..	..	..	2	1	..	..	1	4	..	..	1	10
Kurnool	5	6	..	..	..	4	2	..	..	4	..	..	..	3	24
Bellary	2	..	..	..	..	..	..	..	..	..	..	..	..	1	3
Anantapur	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Cuddapah	..	..	..	4	..	..	..	..	..	..	3	..	..	..	7
Nellore	..	2	..	..	..	..	..	..	..	2	..	..	..	7	11
Chingleput	..	..	..	..	..	..	..	1	..	..	..	..	..	..	1
North Arcot	..	..	..	..	..	..	..	1	..	..	..	..	..	..	1
South Arcot	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
North Salem	1	..	..	..	..	..	..	2	1	2	..	..	1	..	7
South Salem	1	1	..	..	..	..	..	1	..	1	..	..	..	..	4
Trichinopoly	..	..	..	..	..	..	..	..	1	3	1	1	..	..	6
Tanjore	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
South Canara	..	..	..	4	..	..	..	..	1	1	1	..	7	7	21
North Malabar	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1
South Malabar	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
The Nilgiris	5	10	..	..	5	..	..	8	..	5	..	..	5	..	38
North Coimbatore	..	3	..	..	1	..	..	..	..	..	..	1	..	1	6
South Coimbatore	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Madura	..	1	..	..	..	..	..	..	..	..	..	..	1	..	2
Tinnevelly	..	..	..	..	..	..	..	2	..	..	..	..	..	1	3
Total	13	26	..	8	6	4	4	16	4	20	9	2	14	22	148

APPENDIX E.—Reserved Lands not under Settlement in square miles.

Districts.	Up to 1901–1902.	Added during 1901–1902.	Added during 1902–1903.	Total.	Transferred for settlement.				Balance "reserved lands" not under settlement.
					Up to 1901–1902.	During 1901–1902.	During 1902–1903.	Total.	
1	2	3	4	5	6	7	8	9	10
Northern Circle.									
Ganjám	540	2 (b) — 3 (f) — 1	(h)	538	536	..	2	538	..
Vizagapatam ..	344	..	(g) + 1	345	295	3	..	298	47
Gódávari	952	75	..	1,027	952	75	..	1,027	..
Kistna	1,068	(a) + 5 (b) — 11 (c) — 3	(a) + 2 (b) — 4 (c) — 46 (d) — 8	1,003	987 (a) + 2 (b) — 4	14 (a) + 5 (d) — 8	..	996	7
Kurnool	2,771	20 (a) + 8 (b) — 10 (c) — 86	1 (a) + 1 (b) — 6 (c) — 29 (e) + 7 (f) — 1	2,676	2,474 (b) — 17 (e) + 7 (f) — 1	134 (a) + 8	25	2,630	46
Bellary	631	(e) 5	..	636	574	..	..	574	62
Anantapur	510	..	..	510	510	..	..	510	..
Total ..	6,816	1	— 82	6,735	6,315	231	27	6,573	162
Central Circle.									
Cuddapah	2,437	(b) — 7 (c) — 42 (g) + 1	(b) — 14 (f) — 2	2,373	2,389 (b) — 14 (f) — 2	..	..	2,373	..
Nellore	766	(a) + 2 (b) — 7	(b) — 3 (c) — 6 (d) — 4	748	747 (b) — 3 (d) — 4	1	7	748	..
Chingleput ..	214	..	..	214	214	..	..	214	..
North Arcot ..	1,234	(b) — 1 (c) — 1 (e) 63	(b) — 3 (e) — 1	1,291	1,295 (b) — 3 (e) — 1	..	..	1,291	(h)
South Arcot ..	705	(e) — 41	(g) — 1	663	664 (g) — 1	..	..	663	..
North Salem ..	923	..	(d) — 1 (e) + 2	924	923 (e) + 1	..	..	924	..
South Salem ..	727	..	(b) — 2 (e) + 10	735	727 (b) — 2 (e) + 10	..	..	735	..
Trichinopoly ..	316	..	(a) + 2 (b) — 3	315	316 (a) + 2 (b) — 3	..	..	315	..
Tanjore	19	..	..	19	19	..	..	19	..
Total ..	7,341	— 33	— 26	7,282	7,274	1	7	7,282	..
Southern Circle.									
South Canara ..	1,090	(a) — 7 (c) — 7 (f) — 1	(a) — 3 (c) — 1	1,071	705	15	32	752	319
North Malabar ..	247	(b) — 10 (c) — 2	..	235	235	..	..	235	..
South Malabar ..	271	(i) — 5	..	266	218	..	..	218	48
The Nilgiris ..	498	..	..	498	412	..	..	412	86
North Coimbatore.	1,649	..	(b) — 8 (e) + 9	1,650	1,623 (b) — 8 (e) + 9	18	..	1,642	8
South Coimbatore .	657	(i) + 5	..	662	662	..	..	662	..
Madura	611	9	(g) — 1	619	611 (g) — 1	9	..	619	..
Tinnevelly ..	429	(e) 7	1	437	436	..	1	437	..
Total ..	5,452	— 11	— 3	5,438	4,902	42	33	4,977	461
Grand Total ..	19,609	— 43	— 111	19,455	18,491	274	67	18,832	623

(a) Revision of area. (b) Excluded at settlement. (c) Unreserved. (d) Initial notification cancelled.
(e) Revision of areas already constituted reserved forests. (f) Disafforested.
(g) Rounding off fractions in previous returns. (h) Below one square mile.
(i) Transferred from South Malabar to South Coimbatore.

APPENDIX F.—Abstract of district reports in regard to the maintenance of maps in accordance with the provisions of section 81 of the Forest Code.

Northern Circle.

Ganjám.—During the year 17 reserve maps and 4 maps of fire protected blocks were prepared.

Vizagapatam.—A district reference map 1″ = 4 miles and 3 range forest reference maps and sketch-maps for reserves were maintained.

Gódávari.—The district map 1″ = 4 miles and also range forest maps (1″=1 mile) separate maps for each reserve, most of them 1″=1 mile and others 2″ and 4″ to the mile were maintained.

Kistna.—Maps for 26 square miles of reserved forests were received for record.

Kurnool.—The maps referred to in the previous years' reports were maintained and posted up to date. Final maps of the Survey of India for 11 reserves were received.

Bellary.—District, range and reserve maps were maintained.

Anantapur.—Final maps were prepared for 506 square miles leaving a balance of 4 square miles for which maps have yet to be prepared.

Central Circle.

Cuddapah.—The district and taluk maps were maintained and posted. Fair copies of reserve maps were prepared for photozincography at the Survey office, Madras. A fresh district map 1″= 4 miles was also prepared with working circles marked on them. Maps of goat-browsing blocks were prepared and copies supplied to the Range officers concerned. 20 tracings of reserves in the Pullampet and Sidhout taluks were prepared and sent to the Range officers to check the boundary lines to be surveyed by the Survey of India party.

Nellore.—Nineteen maps for 5 ranges were prepared and supplied to Range officers.

Chingleput.—The district and taluk maps and atlas sheets were posted up to date. The boundaries with details for 19 reserves in Tiruvallúr range and 29 in the Chingleput range were marked on village plans and sent to Survey office for reproduction. 280 maps for 14 reserves of the Tiruvallúr range were received back from the Survey office. 22 rough and 22 fair working plans for the Tiruvallúr range, 8 rough and 2 fair working plans for the Chingleput range were also prepared. 3 fair copies of working plan maps for Kambakkam and Ambakkam reserves were also prepared.

North Arcot.—Final maps for the reserved forests were prepared for 1,249 square miles leaving a balance of 42 square miles, for which final maps have yet to be prepared.

South Arcot.—The year's work included 8″=1 mile paper tracings for 14 reserves from village survey plans for working plan purposes of Kallakurchi range and 8 tracings 4″ = 1 mile paper tracings and 10 tracing cloth copies of working circle maps for working plan purposes of Tiruvannámalai range. 11 paper outline maps 8″ = 1 mile were supplied to Range officers for preparing estimates and checking final demarcation, 11 copies of reserve maps for the use of Range officers were also prepared. 2 copies of Tiruvannámalai working plan key maps, office reference map, range maps, concession plans and maps to illustrate proposals for the division of the district in two were prepared. All the block maps of the Kallakurchi and Cuddalore covering an area of 192 square miles were reduced from 8″ to 4″ scale in pencil work.

North Salem.—The district forest reference map and range forest reference maps were maintained. Survey of India maps on the four-inch scale for 60 reserved forests, Madras Survey office maps on the eight-inch scale for 6 reserves and departmental survey maps 4″=1 mile scale for 2 reserved forests and working plan maps on the four-inch scale were also maintained.

South Salem.—The district map, working plan maps and copies of the original final notification maps were maintained as also skeleton maps of reserves to mark fire-burnt areas and village maps with reserve boundaries marked thereon.

Trichinopoly.—The district forest reference map together with taluk and range reference map was maintained. Tracing maps of reserved forests aggregating 100 square miles were prepared during the year.

Tanjore.—The district and range reference maps were posted up to date and maintained while separate maps were prepared for each reserve with topographical features and admitted rights shown thereon. Working plan map on the eight-inch scale for Vattangudi reserve, North and South Casuarina plantations and Neiduvasal plantations, Shiyali taluk, were maintained.

Southern Circle.

South Canara.—The district reference map was posted up to date and maps were maintained for all the reserved forests except Bhagimale and Mujumale.

North Malabar.—Final maps for all the reserved forests except Kanoth extension were prepared and printed in the Survey office, Madras.

South Malabar.—The district reference map was posted to date while reserve and range maps were maintained. Working circle maps were also prepared.

The Nilgiris.—The office reference map, the range topographical maps and settlement maps were posted to date. There were no separate maps for reserves except for Mudumalai, Bennee and Kambarakolli forests; but settlement maps exist for every village in the district which were duly maintained with all the reserves shown therein. Working circle plans prepared by Messrs. Gamble and Arbuthnot were maintained for (1) Arambi, (2) Cairn hill, (3) Bleak house and seven other reserves.

North Coimbatore.—The office reference map was maintained. Topographical sheets were used as range reference maps. Reserve maps for all the reserves in the Erode range are prepared. Settlement maps have been supplied to Range officers for the principal reserves to be used together with the topographical sheets until the survey is completed.

South Coimbatore.—The district forest reference map was maintained in duplicate. The taluk maps were utilized for range reference maps. Survey of India maps of all but five reserves were maintained. In three of the five cases referred to there are survey maps of the Madras Survey. There are besides separate maps for each of the working circles.

Madura.—Maps of India survey for Omayar and Kaduvumalai reserve forests were received. There are Survey of India maps for all the reserves in the district except for nine blocks.

Tinnevelly.—District reference map was posted up 30th June 1903. Copies of final maps for Manpothai reserve were received from the Survey office.

APPENDIX G.—Statement showing Area of Reserved Forests for which final Maps have been prepared.

Districts	Area of reserved forests.	Area of reserved forests for which final maps have been prepared.
	SQ. MILES.	SQ. MILES.
Ganjám	536	536
Vizagapatam	298	14
Gódávari	952	..
Kistna	957	587
Kurnool	2,333	794
Bellary	571	499
Anantapur	510	506
Cuddapah	2,216	2,160
Nellore	739	187
Chingleput	214	68
North Arcot	1,291	1,249
South Arcot	663	663
North Salem	813	813
South Salem	695	670
Trichinopoly	296	61
Tanjore	19	19
South Canara	662	647
North Malabar	231	229
South Malabar	218	35
The Nilgiris	403	..
North Coimbatore	1,333	24
South Coimbatore	662	658
Madura	609	598
Tinnevelly	436	410
Total ..	17,657	11,427

ANNUAL FORM No. 44.

Forest Department, Madras Presidency.

AREA of reserved forests and reserved lands during 1902–1903.

Districts.	Area of reserved forests.						Area of reserved lands.						Total area of reserved forests and reserved lands.
	Area on 1st July 1902.		Added during the year.	Excluded during the year.	Area on 30th June 1903.		Area on 1st July 1902.		Added during the year.	Excluded during the year.	Area on 30th June 1903.		
	Acres.	Equivalent in square miles.	Acres.	Acres.	Acres.	Equivalent in square miles.	Acres.	Equivalent in square miles.	Acres.	Acres.	Acres.	Equivalent in square miles.	
Northern Circle.													SQ. MLS.
Ganjám	343,287	536	..	..	343,287	536	1,200	2	102	..	1,302	2	538
Vizagapatam	156,996	245	33,704	..	190,700	298	63,713	98	..	33,704	30,009	47	345
Gódávari	608,370	951	875	..	609,245	952	48,830	76	..	875	47,955	75	1,027
Kistna	588,754	920	23,706	..	612,460	957	88,689	139	1,106	60,070	29,725	46	1,003
Kurnool	1,469,800	2,296	44,281	20,754	1,493,327	2,333	260,228	407	1,800	42,882	219,146	343	2,676
Bellary	358,842	561	6,545	4	365,383	571	47,988	75	..	6,551	41,437	65	636
Anantapur	324,878	508	1,211	..	326,089	510	1,211	2	..	1,211	..	..	510
Total ..	3,850,927	6,017	110,322	20,758	3,940,491	6,157	511,859	800	3,008	145,293	369,574	578	6,735
Central Circle.													
Cuddapah	1,402,457	2,191	16,906	1,220	1,418,143	2,216	126,469	198	..	26,009	100,460	157	2,373
Nellore	462,561	723	10,330	130	472,761	739	24,400	38	9	18,701	5,708	9	748
Chingleput	136,788	214	..	..	136,788	214	..	..	24	..	24	..	214
North Arcot	810,416	1,266	16,614	1,015	826,015	1,291	18,662	29	6	18,336	332	..	1,291
South Arcot	423,030	661	1,633	13	424,650	663	1,633	3	..	1,633	..	..	663
North Salem	510,790	798	10,561	1,058	520,293	813	80,099	125	..	9,084	71,015	111	924
South Salem	430,194	672	24,621	9,886	444,929	695	35,133	55	..	9,562	25,571	40	735
Trichinopoly	171,898	269	17,360	..	189,258	296	30,286	47	1,541	19,427	12,400	19	315
Tanjore	12,395	19	..	..	12,395	19	..	..	..	..	..	..	19
Total ..	4,360,529	6,813	98,025	13,322	4,445,232	6,946	316,682	495	1,580	102,752	215,510	336	7,282
Southern Circle.													
South Canara	423,475	662	..	..	423,475	662	264,351	413	18	2,602	261,767	409	1,071
North Malabar	147,578	231	..	..	147,578	231	2,492 *	4	..	..	2,492	4	235
South Malabar	139,839	218	..	..	139,839	218	30,510	48	2	..	30,512	48	266
The Nilgiris	256,933	401	1,332	7	258,258	403	61,896	97	159	1,393	60,662	95	498
North Coimbatore	709,940	1,109	143,324	..	853,264	1,333	345,926	540	..	143,046	202,880	317	1,650
South Coimbatore	423,657	662	..	..	423,657	662	..	..	..	..	..	..	662
Madura	390,042	610	..	..	390,042	609	6,096	10	..	..	6,096	10	619
Tinnevelly	275,746	431	3,163	13	278,896	436	3,460	5	609	3,179	890	1	437
Total ..	2,767,210	4,324	147,819	20	2,915,009	4,554	714,731	1,117	788	150,220	565,299	884	5,438
Grand Total ..	10,978,666	17,154	356,166	34,100	11,300,732	17,657	1,543,272	2,412	5,376	398,265	1,150,383	1,798	19,455

* Includes 22 acres omitted in the previous year's statement.

FORM No. 44.

District.	Name of forest.	Area on 1st July 1902. Acres.	Area on 1st July 1902. Equivalent in square miles.	Added during the year. Acres.	Excluded. Acres.	Area on 30th June 1903. Acres.	Area on 30th June 1903. Equivalent in square miles.	Number and date of notification of addition or transfer.
		Reserved forests.						
Ganjám.	Area notified in previous years ..	343,287	536	..	..	343,287	536	
		Reserved lands not transferred to reserved forests during the year.						
	Mahaghora I and II	1,200	..	..	..	1,200	..	No. 340, dated 28th August 1902.
	Gogodo extension	..	..	102	..	102	..	No. 56, dated 28th January 1903.
	Total ..	1,200	2	102	..	1,302	2	
		Reserved forests.						
Vizagapatam.	Palkonda	..	..	4,580	..	4,580	..	No. 436, dated 28th November 1902.
	Sarugudu blocks Nos. I, III and IV.	..	..	6,754	..	6,754	..	No. 438, dated 28th November 1902.
	Sarugudu block No. II	..	..	12,325	..	12,325	..	No. 134, dated 26th March 1903.
	Kadagandi	..	..	9,920	..	9,920	..	No. 456, dated 16th December 1902.
	Donabai	..	..	125	..	125	..	No. 66, dated 6th February 1903.
	Area notified in previous years ..	156,996	..	..	..	156,996	..	
	Total ..	156,996	245	33,704	..	190,700	298	
		Reserved lands not transferred to reserved forests during the year.						
	Area notified in previous years..	30,009	47	..	..	30,009	47	
		Reserved forests.						
Gódávari.	Dharbhagudem extension ..	..	..	875	..	875	..	No. 209, dated May 1902.
	Area notified in previous years..	608,370	..	..	..	608,370	..	
	Total ..	608,370	951	875	..	609,245	952	
		Reserved lands not transferred to reserved forests during the year.						
	Area notified in previous years..	47,955	75	..	..	47,955	75	
		Reserved forests.						
Kistna..	Kodurparra	..	..	5,600	..	5,600	..	No. 356, dated 19th September 1902.
	Munipeda	..	..	1,080	..	1,080	..	No. 464, dated 20th December 1902.
	Kanur	..	..	1,667	..	1,667	..	No. 25, dated 16th January 1903.
	Nachugunta block No. II ..	..	..	2,752	..	2,752	..	No. 93, dated 27th February 1903.
	Kottur Extension No. IV ..	..	..	131	..	131	..	No. 262, dated 21st June 1902.
	Jaggayapet extension No. II ..	..	..	360	..	360	..	No. 465, dated 20th December 1902.
	Kondapalli do. No. IV ..	..	..	630	..	630	..	No. 90, dated 16th February 1903.
	Kuntimaddi	..	..	725	..	725	..	No. 95, dated 17th February 1903.
	Venkatayapalem Extension No. IV.	..	..	1,310	..	1,310	..	No. 282, dated 11th July 1902.
	Vemavaram Extension No. I ..	..	..	289	..	289	..	No. 328, dated 20th August 1902.
	Tangeda Extension No. IV ..	..	..	78	..	78	..	No. 417, dated 13th November 1902.
	Venkatayapalem extension No. II.	..	..	1,771	..	1,771	..	No. 68, dated 6th February 1903.
	Venkatayapalem extension No. X.	..	..	1,456	..	1,456	..	No. 68, dated 6th February 1903.
	Tangeda extension No. III ..	..	..	669	..	669	..	No. 101, dated 27th February 1903.
	Kakirala do. No. IV ..	..	..	1,211	..	1,211	..	No. 192, dated 7th May 1902.
	Mandadi	..	..	3,480	..	3,480	..	No. 353, dated 8th September 1902.
	Pasvemula extension No. IX ..	..	..	497	..	497	..	No. 132, dated 26th March 1903.
	Area notified in previous years..	588,754	..	..	..	588,754	..	
	Total ..	588,754	920	23,706	..	612,460	957	

District.	Name of forest.	Area on 1st July 1902. Acres.	Area on 1st July 1902. Equivalent in square miles.	Added during the year. Added.	Excluded. Acres.	Area on 30th June 1903. Acres.	Area on 30th June 1903. Equivalent in square miles.	Number and date of notification of addition or transfer.
	Reserved lands not transferred to reserved forests during the year.							
Kistna—*cont.*	Romperu I and II	4,550	..	..	(*e*) 4,550	..	..	No. 367, dated 22nd September 1902.
	Area notified in previous years ..	60,433	..	(*a*) 1,106	(*b*) 2,668 (*c*) 29,146	29,725	..	
	Total ..	64,983	102	1,106	36,364	29,725	46	
	Reserved forests.							
Kurnool.	Kothakota date tope	..	..	291	..	291	..	No. 191, dated 8th May 1902.
	Devagudipad	..	..	2,869	..	2,869	..	No. 231, dated 26th May 1902.
	Pyapali extension No. II ..	..	..	3,336	..	3,336	..	No. 252, dated 9th June 1902.
	Pyapali extension No. I ..	..	..	1,575	..	1,575	..	No. 283, dated 27th June 1902.
	Eastern Nallamalai block No. VIII.	..	..	2,173	..	2,173	..	No. 300, dated 21st July 1902.
	Podilla	..	..	441	..	441	..	No. 346, dated 2nd September 1902.
	Tekulakonda extension No. I ..	..	..	158	..	158	..	No. 350, dated 2nd September 1902.
	Do. extension No. II ..	..	..	1,102	..	1,102	..	Do.
	Jaladurgam extension No. III ..	..	..	80	..	80	..	No. 65, dated 6th February 1903.
	Sirvel addition No. VII	..	..	2,950	..	2,950	..	No. 77, dated 10th February 1903.
	Eastern Nallamalai extension No. X.	..	..	5,094	..	5,094	..	No. 88, dated 27th February 1903.
	Pylakurti	..	..	..	(*d*) 819	1,473,258	..	No. 327, dated 20th August 1902.
	Area notified in previous years ..	1,469,800	..	(*a*) 24,212	(*a*) 19,935			
	Total ..	1,469,800	2,296	44,281	20,754	1,493,327	2,333	
	Reserved lands not transferred to reserved forests during the year.							
	Chinaganipalli	1,202	..	..	..	1,202	..	No. 378, dated 2nd October 1902.
	Tuggali No. II	2,233	..	..	..	2,233	..	No. 467, dated 20th December 1902.
	Waddamanu	861	..	422	..	1,283	..	No. 131, dated 30th March 1903.
	Lanjabanda extension	3,770	..	218	..	3,988	..	No. 174, dated 24th April 1903.
	Baddivid do.	..	..	537	..	537	..	No. 198, dated 5th May 1903.
	Tokapalli do.	..	..	501	..	501	..	Do.
	Madhavaram	6,387	..	..	..	6,387	..	No. 255, dated 15th June 1903.
	Area notified in previous years ..	225,706	..	(*a*) 122	(*b*) 4,181 (*c*) 18,632	203,015	..	
	Total ..	240,159	375	1,800	22,813	219,146	343	
	Reserved forests.							
Bellary.	Nandibanda	..	..	5,105	..	5,105	..	No. 250, dated 9th June 1902.
	Hyrada north-east	..	..	1,435	..	1,435	..	No. 301, dated 22nd July 1902.
	Area notified in previous years ..	358,842	..	(*a*) 5	(*d*) 4	358,843	..	
	Total ..	358,842	561	6,545	4	365,383	571	
	Reserved lands not transferred to reserved forests during the year.							
	Area notified in previous years ..	41,448	..	..	(*b*) 11	41,437	..	
	Total ..	41,448	65	..	11	41,437	65	
	Reserved forests.							
Anantapur.	Kodihalli	..	..	1,211	..	1,211	..	No. 450, dated 5th December 1902.
	Area notified in previous years ..	324,878	..	..	..	324,878	..	
	Total ..	324,878	508	1,211	..	326,089	510	
	Reserved lands not transferred to reserved forests—Nil.							

(*a*) Revision of area. (*b*) Excluded at settlement. (*c*) Abandoned. (*d*) Disafforested. (*e*) Initial notification cancelled.

District.	Name of forest.	Area on 1st July 1902.		Added during the year.	Excluded.	Area on 30th June 1903.		Number and date of notification of addition or transfer.
		Acres.	Equivalent in square miles.	Acres.	Acres.	Acres.	Equivalent in square miles.	
				Reserved forests.				
Cuddapah.	Appayapalli tope	..	..	94	..	94	..	No. 204, dated 14th May 1902.
	Kodur topes A and B	..	..	12	..	12	..	No. 216, dated 27th May 1902.
	Sydapuram tope	..	..	6	..	6	..	No. 216, dated 27th May 1902.
	Talla Prodatur A and B.. ..	..	..	113	..	113	..	No. 281, dated 11th July 1902.
	Dhanayanicheruvu	..	..	8	..	8	..	No. 299, dated 21st July 1902.
	Diguvapatnam tope	..	..	13	..	18	..	No. 59, dated 27th January 1903.
	Kondapuram plantation ..	..	..	23	..	23	..	No. 113, dated 9th March 1903.
	Seshachalam extension D ..	..	..	16,637	..	16,637	..	No. 116, dated 18th March 1903.
	Madhavaram extension west ..	1,402,457	..	..	(d) 1,153	1,401,237	..	No. 259, dated 22nd June 1903.
	Tummala				(d) 67			No. 251, dated 9th June 1902.
	Area notified in previous years..							
	Total ..	1,402,457	2,191	16,906	1,220	1,418,143	2,216	
		Reserved lands not transferred to reserved forests during the year.						
	Area notified in previous years ..	109,563	..	..	(a) 67 (b) 9,036	100,460	..	
	Total ..	109,563	171	..	9,103	100,460	157	
		Reserved forests.						
Nellore.	China Annalur topes A to F ..	..	..	328	..	328	..	No. 228, dated 23rd May 1902.
	Brahmanakraka tope, blocks Nos. I, II and III	..	..	105	..	105	..	No. 228, dated 23rd May 1902.
	Udayagiri Veligonda reserved forest block, A extension.	..	..	1,263	..	1,263	..	No. 253, dated 9th June 1902.
	Udayagiri Veligonda reserved forest block, B extension.	..	..	950	..	950	..	No. 254, dated 9th June 1902.
	Nallapalem reserve	..	..	1,816	..	1,816	..	No. 280, dated 27th June 1902.
	Kakivaya tope, blocks Nos. I and II.	..	..	643	..	643	..	No. 310, dated 5th August 1902.
	Kanuparti casuarina plantation extension.	..	..	830	..	830	..	No. 318, dated 11th August 1902.
	Kottapatam casuarina plantation extension.	..	..	160	..	160	..	No. 318, dated 11th August 1902.
	Kodur	..	..	61	..	61	..	No. 349, dated 1st September 1902.
	Penubarti	..	..	1,643	..	1,643	..	No. 371, dated 24th September 1902.
	Amanicheruvella Inagalur tope block.	..	..	647	..	647	..	No. 37, dated 22nd January 1903.
	Nandanavanam B extension A.	..	..	996	..	996	..	No. 129, dated 26th March 1903.
	Dachur	..	..	888	..	888	..	No. 130, dated 26th March 1903.
	Area notified in previous years ..	462,561	..	..	(d) 130	4,62,431	..	No. 55, dated 28th January 1903.
	Total ..	462,561	723	10,330	130	472,761	739	
		Reserved lands not transferred to reserved forests during the year.						
	Nandanavanam block A, I extension.	..	..	9	..	9	..	No. 26, dated 13th January 1903.
	Kavali tope	137	..	..	..	137	..	No. 96, dated 16th February 1903.
	Masunur tope	237	..	..	..	237	..	
	Anamadugu Chennayapalem tope	2,806	..	..	..	2,806	..	
	Lingamgunta tope	862	..	..	..	862	..	
	Mungamur tope	92	..	..	..	92	..	No. 199, dated 7th May 1903.
	Kadanuthala tope A	79	..	..	..	79	..	
	Do. do. B	193	..	..	..	193	..	
	Kolladinne	292	..	..	..	292	..	
	Irakam and Venadu topes ..	2,557	..	..	(e) 2,557	..	..	No. 457, dated 6th December 1902.
	Area notified in previous years ..	6,815	..	..	(b) 1,896 (c) 3,918	1,001	..	
	Total ..	14,070	22	9	8,371	5,708	9	

(a) Revision of area. (b) Excluded at settlement. (c) Abandoned. (d) Disafforested. (e) Initial notification cancelled.

District.	Name of forest.	Area on 1st July 1902. Acres.	Area on 1st July 1902. Equivalent in square miles.	Added during the year. Acres.	Excluded. Acres.	Area on 30th June 1903. Acres.	Area on 30th June 1903. Equivalent in square miles.	Number and date of Notification of addition or transfer.
		Reserved forests.						
Chingleput.	Area notified in previous years ..	136,788	214	..	..	136,788	214	
		Reserved lands not transferred to reserved forests during the year.						
	Wallajabad tope	..	..	24	..	24 ..	..	No. 100, dated 23rd February 1903.
		Reserved forests.						
North Arcot.	Napier extension	..	..	26	..	26	..	No. 320, dated 11th August 1902.
	Peddur extension	..	..	9,394	..	9,394	..	No. 329, dated 18th August 1902.
	Nellipatla	..	..	7,135	..	7,135	..	No. 424, dated 20th November 1902.
	Area notified in previous years ..	810,416	..	(*a*) 59	(*a*) 1,015	809,460	..	
	Total ..	810,416	1,266	16,614	1,015	826,015	1,291	
		Reserved lands not transferred to reserved forests during the year.						
	Whitesides garden	..	..	6	..	6	..	No. 151, dated 9th April 1903.
	Area notified in previous years ..	2,107	..	..	(*b*) 1,781	326	..	
	Total ..	2,107	4	6	1,781	332	1	
		Reserved forests.						
South Arcot.	Odayanatham	..	..	1,603	..	1,603	..	No. 261, dated 23rd June 1902.
	Kattuvanangur	..	..	30	..	30	..	No. 5, dated 27th December 1902.
	Area notified in previous years ..	423,030	..	..	(*d*) 13	423,017	..	No. 8, dated 20th December 1902.
	Total ..	423,030	661	1,633	13	424,650	663	
		Reserved lands not transferred to reserved forests—Nil.						
		Reserved forests.						
North Salem.	Sanamavu	..	..	4,794	..	4,794	..	No. 67, dated 3rd February 1903.
	Narlapalli	..	..	3,760	..	3,760	..	No. 75, dated 10th February 1903.
	Area notified in previous years ..	510,790	..	(*a*) 2,007	(*a*) 1,058	511,739	..	
	Total ..	510,790	798	10,561	1,058	520,293	813	
		Reserved lands not transferred to reserved forests during the year.						
	Area notified in previous years ..	71,545	112	..	(*b*) 26; (*e*) 504	71,015	..	
	Total ..	71,545	112	..	530	71,015	111	
		Reserved forests.						
South Salem.	Mallur	..	..	6,475	..	6,475	..	No. 388, dated 28th August 1902.
	Bommaiyampatti	..	..	1,814	..	1,814	..	No. 109, dated 9th March 1903.
	Area notified in previous years ..	430,194	..	(*a*) 16,332	(*a*) 9,724; (*b*) 162	436,640	..	
	Total ..	430,194	672	24,621	9,886	444,929	695	
		Reserved lands not transferred to reserved forests during the year.						
	Area notified in previous years ..	26,844	42	..	(*b*) 1,273	25,571	40	

(*a*) Revision of area. (*b*) Excluded at settlement. (*d*) Disafforested. (*e*) Initial notification cancelled.

District.	Name of forest.	Area on 1st July 1902. Acres.	Area on 1st July 1902. Equivalent in square miles.	Added during the year. Acres.	Excluded Acres.	Area on 30th June 1903. Acres.	Area on 30th June 1903. Equivalent in square miles.	Number and date of Notification of addition or transfer.
	Reserved forests.							
Trichinopoly.	Kottathur	..	..	2,209	..	2,209	..	No. 207, dated 14th May 1902.
	Maramareddipalaiyam	..	..	869	..	869	..	No. 321, dated 5th August 1902.
	Valkaradu	..	..	639	..	639	..	No. 425, dated 18th November 1902.
	Vairasettipalaiyam	..	..	1,865	..	1,865	..	No 452, dated 5th December 1902.
	Veeramachampatti	..	..	3,878	..	3,878	..	No. 2, dated 27th December 1902.
	Sathramani	..	..	1,853	..	1,853	..	No. 117, dated 20th March 1903.
	Pulambadi No. I	..	..	2,506	..	2,506	..	No. 409, dated 5th November 1902.
	Arsadiarivithi	..	..	3,541	..	3,541	..	No. 418, dated 13th November 1902.
	Area notified in previous years ..	171,898	..	..	..	171,898	..	
	Total ..	171,898	269	17,360	..	189,258	296	
	Reserved lands not transferred to reserved forests during the year.							
	Area notified in previous years ..	12,926	20	(a) 1,541	(b) 2,067	12,400	19	
	Reserved forests.							
Tanjore ..	Area notified in previous years ..	12,395	19	..	..	12,395	19	
	Reserved lands not transferred to reserved forests during the year—Nil.							
	Reserved forests.							
South Canara.	Area notified in previous years ..	423,475	662	..	..	423,475	662	
	Reserved lands not transferred to reserved forests during the year.							
	Ballimane Extension	..	..	13	..	13	..	No. 7, dated 26th December 1902.
	Kodialmale	718	..	..	..	718	..	No. 89, dated 21st January 1903.
	Aivarnadu	1,778	..	..	..	1,778	..	No. 293, dated 16th July 1902.
	Adur	5,100	..	..	..	5,100	..	No. 319, dated 11th August 1902.
	Kaniyarmale	3,212	..	..	..	3,212	..	No. 408, dated 5th November 1902.
	Kallapattimale	1,033	..	..	..	1,033	..	No. 407, dated 5th November 1902.
	Kilarmale Extension	..	..	5	..	5	..	No. 60, dated 28th January 1903.
	Subramania	7,373	..	..	..	7,373	..	No. 208, dated 14th May 1903.
	Paikadamale	1,385	..	..	..	1,385	..	No. 256, dated 15th June 1902.
	Area notified in previous years ..	243,752	..	..	(a) 1,920 (c) 682	241,150	..	
	Total ..	264,351	413	18	2,602	261,767	409	
	Reserved forests.							
North Malabar.	Area notified in previous years ..	147,578	231	..	..	147,578	231	
	Reserved lands not transferred to reserved forests during the year.							
	Area notified in previous years ..	* 2,492	4	..	..	2,492	4	
	Reserved forests.							
South Malabar.	Area notified in previous years ..	139,839	218	..	..	139,839	218	

(a) Revision of area. (b) Excluded at settlement. (c) Abandoned.

* Includes twenty-two acres omitted in last year's return.

District.	Name of forest.	Area on 1st July 1902. Acres.	Area on 1st July 1902. Equivalent in square miles.	Added during the year. Acres.	Excluded. Acres.	Area on 30th June 1903. Acres.	Area on 30th June 1903. Equivalent in square miles.	Number and date of Notification of addition or transfer.
	Reserved lands not transferred to reserved forests during the year.							
South Malabar—*cont.*	Area notified in previous years ..	30,510	48	2	..	30,512	48	
	Reserved forests.							
The Nilgiris.	Addition No. 5 to Kundah ..	..	..	198	..	198	..	No. 94, dated 16th February 1903.
	Woodcock shola	..	..	26	..	26	..	
	Kukal valley	..	..	269	..	269	..	No. 118, dated 18th March 1903.
	Melkundah reserve	..	..	20	..	20	..	No. 135, dated 26th March 1903.
	Kudiyashola No. III	..	..	26	..	26	..	No. 67, dated 6th February 1903.
	Airle	..	..	2	..	2	..	No. 68, dated 6th February 1903.
	Burnside	..	..	6	..	6	..	
	Gwatkin	..	..	7	..	7	..	
	Mandileru	..	..	64	..	64	..	No. 98, dated 23rd February 1903.
	Toluyemmayatti	..	..	20	..	20	..	No. 91, dated 23rd February 1903.
	Kunnavara addition No. III ..	..	..	6	..	6	..	
	Naralimara block No. II ..	..	..	2	..	2	..	
	Seven-mile tope	..	..	2	..	2	..	
	Curzon valley block No. IV ..	..	..	223	..	223	..	
	Kannarihodai	..	..	17	..	17	..	No. 92, dated 17th February 1903.
	Denad reserve addition No. III ..	..	..	76	..	76	..	
	Kattekaduodeola No. I ..	..	..	5	..	5	..	
	Do. ,, II	..	..	8	..	8	..	
	Sundatti reserve addition ..	..	..	35	..	35	..	No. 97, dated 16th February 1903.
	Denad reserve addition No. II ..	..	..	43	..	43	..	
	Neralimera block No. I	..	..	9	..	9	..	
	Nedugula reserve addition ..	..	..	113	..	113	..	
	Ullavunadmund shola addition No. II.	..	..	16	..	16	..	
	Kadeola reserve	..	..	28	..	28	..	
	Hadumund reserve addition No. I.	..	..	46	..	46	..	No. 99, dated 23rd February 1903.
	Hadumund reserve addition No. II.	..	..	20	..	20	..	
	Pambare reserve No. I ..	..	..	21	..	21	..	
	Do. ,, II ..	..	..	14	..	14	..	
	Area notified in previous years ..	256,933	..	(a) 10	(d) 7	256,936	..	No. 102, dated 27th February 1903.
	Total ..	256,933	401	1,332	7	258,258	403	
	Reserved lands not transferred to reserved forests during the year.							
	Area notified in previous years ..	60,574	95	159	(b) 71	60,662	95	
North Coimbatore.	*Reserved forests.*							
	Yedaralli	..	..	131,200	..	131,200	..	No. 372, dated 24th September 1902.
	Tamarakarai	..	..	6,509	..	6,509	..	No. 437, dated 28th November 1902.
	Vellamundi extension	..	..	6	..	6	..	No. 466, dated 20th December 1902.
	Area notified in previous years ..	709,940	..	(a) 5,609	..	715,549	..	
	Total ..	709,940	1,109	143,324	..	853,264	1,333	
	Reserved lands not transferred to reserved forests during the year.							
	Area notified in previous years ..	208,211	325	..	(b) 5,331	202,880	317	
South Coimbatore.	*Reserved forests.*							
	Area notified in previous years ..	423,657	662	..	..	* 423,657	662	
	Reserved lands not transferred to reserved forests during the year—Nil.							
Madura ..	*Reserved forests.*							
	Area notified in previous year ..	390,042	609	..	..	390,042	609	

(a) Revision of area. (b) Excluded at settlement. (d) Di[illegible]afforested.

* Includes Tekadi leased forests (17,414·40 acres).

District.	Name of forest.	Area on 1st July 1902.		Added during the year.	Excluded.	Area on 30th June 1903.		Number and date of Notification of addition or transfer.
		Acres.	Equivalent in square miles.	Acres.	Acres.	Acres.	Equivalent in square miles.	
	Reserved lands not transferred to reserved forests during the year.							
Madura —*cont.*	Area notified in previous years.	6,096	10	..	..	6,096	10	
	Reserved forests.							
Tinnevelly.	Melvittan additions	..	..	71	..	71	..	No. 203, dated 14th May 1902.
	Extension II to Courtallam reserved forest.	..	..	133	..	133	..	No. 205, dated 21st May 1902.
	Aruguli tope	..	..	320	..	320	..	No. 455, dated 24th November 1902.
	Vaippar	..	..	2,639	..	2,639	..	No. 133, dated 25th March 1903.
	Area notified in previous years..	275,746	..	..	(*d*) 13	275,733	..	No. 11, dated 27th December 1902.
	Total ..	275,746	431	3,163	13	278,896	436	
	Reserved lands not transferred to reserved forests during the year.							
	Nedugani	..	..	4	..	4	..	No. 426, dated 18th November 1902.
	Valliyur	..	..	605	..	605	..	No. 197, dated 5th May 1903.
	Area notified in previous years.	297	..	..	(*b*) 16	281	..	
	Total ..	297	..	609	16	890	1	

(*b*) Excluded at settlement.

(*d*) Disafforested.

FORM

Forest

STATEMENT showing the Progress made in, and the Expenditure

Name of forest district.	Area already settled at commencement of year.	Areas finally settled during the year.					
		Number and date of Government Order according final sanction to the settlement.	Name of forest settled.	Area.	Expenditure incurred during the year on areas finally settled.		Entire cost per square mile of areas finally settled during the year.
					In forest accounts.	In other accounts.	
1	2	3	4	5	6	7	8
							NORTHERN
	SQ. MLS.			SQ. MLS.		RS.	RS.
Ganjám ..	536	....	....	..	..	..	..
Vizagapatam.	245	No. 1071, dated 28th November 1902.	Palkonda	7·15	..	..	..
		No. 1127, dated 16th December 1902.	Kadagandi reserve	15·50	..	..	..
		No. 110, dated 6th February 1903.	Donabai	·19	..	..	..
		No. 1073, dated 28th November 1902 and No. 337 dated 26th March 1903.	Sarugudu blocks I to IV ..	29·81	..	..	..
			Total ..	52·65	..	..	..
Gódávari ..	952	....	....	..	..	..	..
Kistna ..	942·57	No. 737, dated 20th August 1902.	Vemavaram extension ..	0·45	..	3,168	..
		No. 1013, dated 13th November 1902.	Tangeda extension No. 4 ..	0·11	..		
		No. 1145, dated 20th December 1902.	Munipeda	1·69	..		
		No. 1146, dated 20th December 1902.	Jaggayyapet extension No. 2.	0·56	..		
		No. 14, dated 16th January 1903.	Kanur	2·60	..		
		No. 114, dated 6th February 1903.	Venkatayapalem extension No. 2.	2·77	..		
		Do. do. ..	Venkatayapalem extension No. 10.	2·28	..		
		No. 147, dated 16th February 1903.	Kondapalli extension No. 4 ..	0·98	..		
		No. 159, dated 17th February 1903.	Kuntimaddi	1·13	..		
		No. 215, dated 27th February 1903.	Tangeda extension No. 3 ..	1·05	..		
		No. 334, dated 26th March 1903.	Pasvemula extension No. 9 ..	0·78	..		
		....	Yelachitladibba extn. No. 1 ..	2·23	..		
		....	Venkatayapalem extension No. 8.	3·36	..		
		....	Pillutla	4·42	..		
		....	Govindapuram	2·84	..		
		....	Ipurupalem	7·23	..		
			Total ..	34·48	..	3,168	..

(*a*) Below one square mile.

No. 45.

Department, Madras Presidency.

incurred on, Forest Settlements during 1902–1903.

Areas undergoing settlement.						Estimate of areas in which settlement operations have not yet commenced.
At commencement of the year.		Taken in hand during the year.		Expenditure incurred during the year on areas undergoing settlement.		
Name of tract.	Area.	Name of tract.	Area.	In forest accounts.	In other accounts.	
9	10	11	12	13	14	15
Circle.						
....	SQ. MLS. ..	Mohoghora	SQ. MLS. 2	RS. ..	RS. ..	SQ. MLS. 60
....	..	Gogodo extension	(a) ..	..	..	
		Total ..	2	..	..	..
....	..	....	..	..	..	47
....	..	....	..	..	..	
....	..	....	..	..	..	
....	..	....	..	..	..	
Coringa extension	75	....	..	..	..	
Total ..	75					
Interu	6·90	....	..	..	2,212	7·34
Ramannapeta	0·81	....	..			
Jaggayyapeta extension No. 4.	0·14	....	..			
Venkatayapalem extension No. 5.	6·50	....	..			
Muppalla	4·67	....	..			
Total ..	19·02	Total ..	..	..	2,212	

Statement showing the Progress made in, and the Expenditure

Name of forest district.	Area already settled at commencement of year.	Areas finally settled during the year.					
		Number and date of Government Order according final sanction to the settlement.	Name of forest settled.	Area.	Expenditure incurred during the year on areas finally settled.		Entire cost per square mile of areas finally settled during the year.
					In forest accounts.	In other accounts.	
1	2	3	4	5	6	7	8
							Northern
	SQ. MLS.			SQ. MLS.	RS.	RS.	
Kurnool ..	2,806 + * 6	No. 552, dated 27th June 1902.	Pyápalli extension No. 1 ..	2½	..	560	..
		No. 642, dated 21st July 1902.	Eastern Nallamalai block No. 8.	3⅓	..		
		No. 796, dated 2nd September 1902.	Podilla	⅔	..		
		No. 798, dated 2nd September 1902.	Tekulakonda extension No. I..	2	..		
		No. 798, dated 2nd September 1902.	Tekulakonda extension II ..				
		No. 111, dated 6th February 1903.	Jaladurgam extension No. 3 ..	† ..	..		
		No. 129, dated 10th February 1903.	Sirvel addition No. 7 ..	4½	15		
		No. 212, dated 27th February 1903.	Eastern Nallamalai block No. 10.	8	..		
		No. 377, dated 9th April 1903.	Jaladurgam extension No. I ..	6⅓	40		
		No. 431, dated 30th April 1903.	Eastern Nallamalai block No. 7.	4⅓	..		
		No. 545, dated 29th May 1903.	Yeddupenta	2⅓	..		
		No. 590, dated 12th June 1903.	Eastern Nallamalai block No 13.	2	25		
		No. 634, dated 22nd June 1903.	Northern Veligonda extension.	20	..		
			Total ..	56	80+‡ 44 = 124	560	..
Bellary ..	571	No. 370, dated 6th April 1903.	Chintalapalli, South	3	1,891	35	..
		No. 546, dated 29th May 1903.	Mundrigi reserve				
			Total ..	3	1,891	35	..
Anantapur ..	508	No 1095, dated 5th December 1902.	Kodihalli block I	⅔	..		
			Do. block II	1	..	..	..
			Do. block III	⅓	..		
			Total ..	1⅔	..	..	..
							Central
Cuddapah ..	2,190	No. 595, dated 11th July 1902.	Tallaproddatur	‡	..	..	..
		No. 641, dated 21st July 1902.	Dhanayanicheruvu		..		
		No. 66, dated 27th January 1903.	Diguvapatnam		..		
		No. 258, dated 9th March 1903.	Kondapuram plantation ..		..		
		No. 297, dated 18th March 1903.	Seshachellam extension D ..	26	..		
			Total ..	26	..	..	..
Nellore ..	723	No. 715, dated 11th August 1902.	Kanuparti casuarina plantation extension.	1·30	..	..	..
			Kothapatam extension ..	·25	..	..	..
		No. 338, dated 26th March 1903.	Nandanavanam B extension A.	1·55	..	..	..
		No. 455, dated 23rd May 1902.	China Annalur topes A to F ..	·50	..	..	..
			Brahmankraka topes A to F ..	·16	..	..	..
		No. 519, dated 9th June 1902.	Udayagiri—Veligonda block A extension.	1·95	..	..	..
		No. 516, dated 9th June 1902.	Udayagiri—Veligonda block B extension.	1·45	..	..	..
		No. 39, dated 22nd January 1903.	Amanicheruvella Inagalur tope	1·00	..	..	..

* Due to computation of areas of Nallamalai hills by India Survey Party.
† Below one square mile.
‡ Amount spent for reserve notified in previous year and purchase of land for a road.

incurred on, Forest Settlements during 1902–1903—*cont.*

Areas undergoing settlement.						
At commencement of the year.		Taken in hand during the year.		Expenditure incurred during the year on areas undergoing settlement.		Estimate of areas in which settlement operations have not yet commenced.
Name of tract.	Area.	Name of tract.	Area.	In forest accounts.	In other accounts.	
9	10	11	12	13	14	15
Circle—cont.						
	SQ. MLS.		SQ. MLS.	RS.	RS.	SQ. MLS.
Panem	37	Chinaganipalli	2	..		
Gani	88	Waddamanu	2	..		46
Eastern Nallamalai block No. 9.	3¾	Lanjabanda extension ..	6	..		
Eastern Nallamalai block No. 11.	7	Baddivid extension	¾	..	2,886	
Eastern Nallamalai block No. 12.	6	Tokapalli extension	¾	..		
Yadavada	1¾	Tuggali No. II	3½	..		
Owk	52	Madhavaram	10	10		
Eastern Nallamalai block No. 14.	7					
Kottaburuzu	2					
Southern Veligonda extension.	10½					
Eastern Nallamalai block VI (*a*)	8					
Eastern Nallamalai block VI (*b*).	4					
Eastern Nallamalai block VI (*c*).	3					
Pattikonda	6					
Total ..	236	Total ..	25	10	2,886	
Haladahalli, A and B	¼	....	..	..	..	49
....	..	....	..	..	..	200
Total ..	..	Total ..	..	..	..	
Circle.						
Idupalapaya extension ..	16					‖
Ganganapalli extension ..	52					
Sangasamudram	7					
Seshachellam extension A ..	60	....	..	..	..	
Papipalle, east and west ..	17					
Yellutla extension A	5					
Total ..	157	Total ..	..	..	..	
Srikolanu	·36	Nandanavanam block A extension.	·21	..		
Utukur varini casuarina plantation.	·76	Kavali tope				
Lebur A and B topes	·44	Musunur	·37	..		
		Anamadugu Chinnayapalem ..	4·38	..	..	
		Lingamgunta	1·35	..		
		Mungamur	·15	..		
		Kadanuthala	·42	..		
		Kolladinne	·46	..		

‖ The cost of settlement has not been apportioned to different columns. The total cost during the year is as follows:—

	RS. A. P.
To forest accounts	..
In other accounts furnished by Forest Settlement-officer.	1,300 13 6
Total ..	1,300 13 6

Statement showing the Progress made in, and the Expenditure

Name of forest district.	Area already settled at commencement of year.	Areas finally settled during the year.					
		Number and date of Government Order according final sanction to the settlement.	Name of forest settled.	Area.	Expenditure incurred during the year on areas finally settled.		Entire cost per square mile of areas finally settled during the year.
					In forest accounts.	In other accounts.	
1	2	3	4	5	6	7	8
							Central
	SQ. MLS.			SQ. MLS.	RS.	RS. A. P.	RS. A. P.
Nellore—*cont.*	723	No. 55, dated 27th June 1902.	Nallapalem	2·80	..	..	..
		No. 692, dated 5th August 1902.	Kakivaya	1·00	..	..	..
		No. 872, dated 24th September 1902.	Penubarti	2·56	..	..	..
		No. 335, dated 26th March 1903.	Dachur	1·39	..	..	..
		No. 789, dated 1st September 1902.	Kodur	·09	..	..	..
			Total ..	16·00	37	..	2 5 0
Chingleput.			*Nil.*				
North Arcot.	1,265 *1·51	No. 713, dated 11th August 1902.	Napier extension	·04	..	..	..
		No. 733, dated 18th August 1902.	Peddur extension	14·68	..	..	..
		No. 1036, dated 20th November 1902.	Nellipatla	11·14	..	..	..
			Total ..	25·86	..	1,300 13 6	50 0 7
South Arcot.	661	No. 1186, dated 27th December 1902.	Kattuvanangur tope	†	..	..	..
		No. 546, dated 23rd June 1902.	Odayanatham	2	‡	..	..
			Total ..	2	..	..	..
North Salem.	800	No. 99, dated 3rd February 1903.	Sanamavu	·7	..	..	..
		No. 128, dated 10th February 1903.	Naralapalli	6	..	..	..
			Total ..	13	..	..	..
South Salem.	682·25	No. 772, dated 28th August 1902.	Mallur	10·12	..	..	..
		No. 256, dated 9th March 1903.	Bommaiyampatti	2·83	..	..	..
		No. 481, dated 12th May 1903.	Thirumanur	9·35	..	..	..
			Total ..	22·30	..	..	..
Trichinopoly.	269	No. 422, dated 14th May 1902.	Kottathur	ACRES. 2,209·00	..	..	..
		No. 693, dated 5th August 1902.	Maramareddipalaiyam	869·38	..	..	..
		No. 982, dated 5th November 1902.	Pulámbadi No. 1	2,505·87	..	..	..
		No. 1012, dated 13th November 1902.	Arasaḍiarivithi	3,541·06	..	..	..
		No. 1029, dated 18th November 1902.	Valkaradu	638·60	..	..	..
		No. 1096, dated 5th December 1902.	Vairisettipalayam	1,852·62	..	..	..
		No. 1185, dated 27th December 1902.	Veeramachampatti	3,877·74	..	..	..
		No. 308, dated 20th March 1903.	Sathiramanai	1,865·42	..	..	..
			Total ..	17,359·39 acres or 27·12 sq. miles.	..	..	..
Tanjore ..	19	....	....	..	..	..	..

* Due to rectification of area, as per India survey maps and adoption of areas as per sanctioned working-plans.

† Below one square mile.

‡ Rs. 1,301 is the figure given by the Forest Settlement-officer, being the proportionate cost of the Forest Settlement establishment debited to this district.

incurred on, Forest Settlements during 1902-1903—*cont.*

Areas undergoing settlement.						Estimate of areas in which settlement operations have not yet commenced.
At commencement of the year.		Taken in hand during the year.		Expenditure incurred during the year on areas undergoing settlement.		
Name of tract.	Area.	Name of tract.	Area.	In forest accounts.	In other accounts.	
9	10	11	12	13	14	15
Circle—cont.						
	SQ. MLS.		SQ. MLS.	RS. A. P.	RS. A. P.	SQ. MLS.
Total ..	1·56	Total ..	7·34	..	..	
		Nil.				
....	..	Whiteside garden	·01	..	..	
Total ..	..	Total ..	·01	..	..	
....	..	....	..	..	..	
Total ..	..	Total ..	..	..	..	
Ubrani	19					
Vellakuttai extension A ..	1					
Mangalam extensions	4½					
Hudaidurgam	45⅝	....	..	..	650 0 0	
Urigam	15					
Hulibanda	14¾					
Kempakarai	11					
Total ..	111	Total ..	..	..	650 0 0	
Sholappadi	5·46					
Nagur extension	4·03	....	..	..	650 6 9	
Kottapatti extension	20·84					
Total ..	30·33	Total ..	..	..	650 6 9	
	ACRES.					
Tachankurichi	2,613·00					
Mogavanur	1,140·00					
Velur	3,239·39					
Nakkasalem	3,093·91	....	..	..	1300 13 6	
Manmalai extension	691·76					
Sengattupatti extension ..	1,621·46					
Total ..	12,399·52 acres or 19·37 sq. miles.	Total ..	..	..	1300 13 6	
....	..	....	..	..	..	

Statement showing the Progress made in, and the Expenditure

Name of forest district.	Area already settled at commencement of year.	Areas finally settled during the year.					
		Number and date of Government Order according final sanction to the settlement.	Name of forest settled.	Area.	Expenditure incurred during the year on areas finally settled.		Entire cost per square mile of areas finally settled during the year.
					In forest accounts.	In other accounts.	
1	2	3	4	5	6	7	8
							Southern
South Canara.	SQ. MLS. 662	....	....	SQ. MLS. ..	..	..	..
			Total ..	..	..	..	..
North Malabar.	231	....	....	..	..	..	..
South Malabar.	218	....	....	..	..	..	..
The Nilgiris.	401·46	No. 112, Rev., dated 6th February 1903.	Airlie	ACRES. 2	..	..	..
		Do.	Gwatkin	7	..	..	..
		Do.	Burnside	6	..	..	..
		No. 113, Rev., dated 6th February 1903.	Kudiyashola No. III	26	..	..	..
		No. 146, Rev., dated 16th February 1903.	Kattu Kaduodeola No. I ..	5	..	..	..
		Do.	Do. No. II ..	8	..	..	..
		Do.	Sundatti addition	35	..	..	..
		Do.	Neralimara No. I	9	..	..	..
		Do.	Nedugula addition	113	..	..	..
		Do.	Denad addition No. II ..	43	..	..	..
		No. 148, Rev., dated 16th February 1903.	Kundah addition No. V ..	198	..	..	..
		Do.	Woodcock shola	26	..	..	..
		No. 160, Rev., dated 17th February 1903.	Denad addition No. III ..	76	..	..	..
		Do.	Kannarihodai	7	..	..	..
		No. 186, Rev., dated 23rd February 1903.	Toluemmayatti	20	..	..	..
		Do.	Seven mile tope	2	..	..	..
		Do.	Curzon valley Block No. IV ..	223	..	..	..
		Do.	Neralimara No. II	2	..	..	..
		Do.	Kunnavara reserve No. III ..	6	..	..	..
		No. 189, Rev., dated 23rd February 1903.	Mandileru	64	..	..	..
		No. 190, Rev., dated 23rd February 1903.	Uhavanadmund shola No. II.	16	..	..	..
		Do.	Hadumund addition No. I ..	46	..	..	..
		Do.	Do. No. II ..	20	..	..	..
		Do.	Kadeola	28	..	..	..
		Do.	Pambare No. I	21	..	..	..
		Do.	Do. No. II	14	..	..	..
		No. 296, Rev., dated 18th March 1903.	Kukal valley	269	..	..	..
		No. 336, Rev., dated 26th March 1903.	Melkundah	20	..	..	..
		No. 395, Rev., dated 18th April 1903.	Turichibettu shola	57	..	..	..
		Do.	Pommanu	47	..	..	..
		No. 467, Rev., dated 7th May 1903.	Imbarahatti	2	..	..	..
		Do.	Sullikodu No. I	1	..	..	..
		Do.	Doddabetta addition No. I ..	54	..	..	..
			Total ..	1,473 acres or 2·3 sq. miles.	..	..	..

* This includes 4 square miles of unreserved land which it is proposed to be brought under chapter II of the Forest Act and is exclusive of 19 square miles of leased forests.

incurred on, Forest Settlements during 1902-1903—*cont.*

Areas undergoing settlement.						Estimate of areas in which settlement operations have not yet commenced.
At commencement of the year.		Taken in hand during the year.		Expenditure incurred during the year on areas undergoing settlement.		
Name of tract.	Area.	Name of tract.	Area.	In forest accounts.	In other accounts.	
9	10	11	12	13	14	15
Circle.						
	SQ. MLS.		SQ. MLS.		RS. A. P.	SQ. MLS.
Hale Someshwar	3	Aivarnad	3	..	..	319
New Someshwar	4	Adur	8	..	..	
Kalanjimali	5	Kaniyarmale	5	..	..	
Karadka	5	Kallapattamala	2	..	..	
Kunthur	6	Ballemane extension	‡ ..	..	..	
Virakhamba	3	Kodialmale	1	..	..	
Kilarmale	15	Kilarmale extension	‡ ..	..	..	
Narimogar	2	Subramania	11	..	..	
Vorwadi	1	Paikadamale	2	..	..	
Dondalarabi	2	....	..	..	..	
Kunthur extension	‡ ..	....	..	..	..	
Mandekole	12	....	..	..	..	
Total ..	58	Total ..	32	..	..	
Ladysmith	4	....	..	..	..	....
....	..	....	..	..	..	33 *
	ACRES.					
Illithorai	18	....	..	..	†	
Longwood	48	*Nil.*	..	..	1,300 13 6	....
Odesakadu	47	....	..	..	..	
Kalluru addition	151	....	..	..	..	
Alagiruhanni	22	....	..	..	..	
Sinnattu shola addition ..	308	....	..	..	..	
Sullikodu No. I	307	....	..	..	..	
Curzon valley block No. III ..	940	....	..	..	..	
Warbreccan	18	....	..	..	..	
Attakadu shola	72	....	..	..	..	
Addition to Hill grove ..	3	....	..	..	..	
Do. to Clyffe reserve ..	59	....	..	..	..	
Do. to Konakarai slopes.	157	....	..	..	..	
Koderu addition No. I ..	36	....	..	..	..	
Addition to Bettu reserve ..	135	....	..	..	..	
Do. to Neyyati reserve ..	43	....	..	..	..	
Denad reserve addition No. I.	125	....	..	..	..	
Uppatti shola	17	....	..	..	..	
Kodanad valley addition No. I.	75	....	..	..	..	
Do. No. II.	170	....	..	..	..	
Ullavanadmund shola No. I ..	46	....	..	..	..	
Madanad reserve addition ..	709	....	..	..	..	
Paravakadavu	679	....	..	..	..	
Bergani	1,053	....	..	..	..	
Mavada reserve addition No. III.	90	....	..	..	..	
Santhi	16	....	..	..	..	
Kodamalai	18	....	..	..	..	
Lady Canning's seat reserve ..	133	....	..	..	..	
Aduthorai reserve addition No. I.	35	....	..	..	..	
Aduthorai reserve addition No. II	58	....	..	..	..	
Cherambadi reserve addition No. II.	10	....	..	..	..	
Cherambadi reserve addition No. III.	10	....	..	..	..	
Masikadavu	19	....	..	..	..	
Total ..	5,627 acres or 8·79 sq. miles.		..	..	1,300 13 6	

† This amount includes also expenditure incurred on areas finally settled.
‡ Below one square mile.

Statement showing the Progress made in, and the Expenditure

Name of forest district.	Area already settled at commencement of year.	Areas finally settled during the year.					
		Number and date of Government Order according final sanction to the settlement.	Name of forest settled.	Area.	Expenditure incurred during the year on areas finally settled.		Entire cost per square mile of areas finally settled during the year.
					In forest accounts.	In other accounts.	
1	2	3	4	5	6	7	8
							Southern
	SQ. MLS.			SQ. MLS.			
North Coimbatore.	*1,118	No. 1144, Revenue, dated 20th December 1902.	Kuyanur	§ ..	..	..	..
		No. 871, Revenue, dated 24th September 1902.	Yedaralli	205	..	..	..
		No. 1012, Revenue, dated 28th November 1902.	Tamarakarai	10	..	..	..
			Total ..	215	..	..	..
South Coimbatore.	†661·96	....	....	..	..	..	..
Madura ..	609	....	....	..	..	..	..
			Total ..	..	..	..	..
Tinnevelly ..	431·171	No. 1052, dated 24th November 1902.	Aruguli tope	0·500	..	..	..
		No. 330, dated 25th March 1903.	Vaippar	4·123	..	..	..
			Total ..	4·623	..	..	..

* The increase is due to the correct area of the Vellamundi reserved forest as computed by the Superintendent Madras Survey.

† Includes Walayar reserved forest (4·71 square miles) transferred from South Malabar district in 1901–1902.

incurred on, Forest Settlements during 1902–1903—*cont.*

Areas undergoing settlement.						
At commencement of the year.		Taken in hand during the year.		Expenditure incurred during the year on areas undergoing settlement.		Estimate of areas in which settlement operations have not yet commenced.
Name of tract.	Area.	Name of tract.	Area.	In forest accounts.	In other accounts.	
9	10	11	12	13	14	15
Circle—cont.						
	SQ. MLS.		SQ. MLS.		RS. A. P.	SQ. MLS.
Madesishwara Malai	257	....	..	..	..	8
Hanúr	34	....	..	..	..	
Ullepalaiyam	6	....	..	..	..	
Barebetta	5	....	..	..	..	
Ennamangalam	6	....	..	..	..	
Nagalur	1	....	..	..	..	
Total ..	309	Total ..	..	..	..	
....	..	....	..	..	..	
Koviladi block	1	....	..	..	..	
Gundar valley extension ..	9	....	..	..	..	‡ 60
Total ..	10	Total ..	..	..	..	
Naranapuram block	0·439	Nadugani block	0·006	..	1,300 13 6	
		Valliyur block	0·945	..	..	
Total ..	0·439	Total ..	0·951	..	1,300 13 6	

‡ The area of the down country between Gundar valley extension and Travancore frontier.
§ Below one square mile.

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Form No. 46.

Forest Department, Madras Presidency.

Record of Demarcation and Maintenance of Boundaries.

District.	Length of boundaries artificially demarcated during the year.	Length of previously existing boundaries repaired.	Length of previously existing boundaries not repaired.	Total length of artificially marked boundaries at the close of the year.	Length of boundaries still to be demarcated at the close of the year.	Length of natural boundaries not requiring artificial marks.	Total length of boundaries at the close of the year.	Expenditure on demarcation during the year.	
								On new work.	On repairs.
1	2	3	4	5	6	7	8	9	10
Northern Circle.	MILES.	MILES.	MILES.	MILES.	MILES.	MILES.	MILES.	RS.	RS.
Ganjám (*b*)	109	260	755	1,124	53	80	1,257	814	794; +(*m*) 263
Vizagapatam	3	252	138	393	107	..	500	75	..
Gódávari (*c*)	3	1,050	111	1,164	47	273	1,484	39	(*d*) 665
Kistna	159	14	1,386	1,559	..	..	1,559	1,857; ..	78; (*d*) 679; — (*m*) 42
Kurnool	226	..	1,289	1,515	328	157	2,000	(*e*) 1,583	..
Bellary	70	40	1,551	1,661	46	..	1,707	404	74; —(*m*) 347
Anantapur	..	2	1,220	1,222	..	..	1,222	..	(*h*) 25
Total, Northern Circle ..	570	1,618	6,450	8,638	581	510	9,729	4,772	2,189
Central Circle.									
Cuddapah	35	15	3,426	3,476	18	..	3,494	(*h*) 216	20
Nellore	95	47; (*a*) 1,768	..	1,910	44	86	2,040	(*h*) 832	147; + (*m*) 1
Chingleput	..	449	474	923	..	..	923	8	(*d*) 897
North Arcot	..	37; 2,186	138	2,361	..	44	2,405	..	(*g*) 192
South Arcot	18	166	2,023	2,207	155	..	2,362	(*h*) 845	32; + (*m*) 1
North Salem	10; (*a*) 21	30; (*a*) 881	308	1,250	72	39	1,361	67	88
South Salem (*i*)	7	72; (*a*) 866	222	1,167	20	5	1,192	20	168
Trichinopoly	45	(*a*) 366	540	951	269	26	1,246	767	3
Tanjore	..	..	79	79	..	..	79	..	..
Total, Central Circle ..	231	3,002; (*a*) 3,881	7,210	14,324	578	200	15,102	2,755	1,549
Southern Circle.									
South Canara	106	32	2,613	2,751	52	110	2,913	(*h*) 1,812	8; — (*m*) 7
North Malabar	2	..	581	583	527	2	1,112	..	(*j*) 185
South do.	45	2	121	168	27	112	307	372	85
The Nilgiris	69	76	1,245	1,390	36	250	1,676	(*h*) 1,309	895
North Coimbatore (*p*)	105	1	124	230	..	..	230	(*a*)&(*k*) 2,343	+(*m*) 4
South do. (*q*)	(*o*) 14	..	515	529	2	77	608	238	119; —(*m*) 119
Madura	5	(*a*) 512	1,021	1,538	30	140	1,708	253; (*l*) 600	+ (*m*) 1
Tinnevelly	50	4	502	556	26	17	599	(*l*) 750; (*n*) 1,036	49; — (*m*) 9
Total, Southern Circle ..	396	115; (*a*) 512	6,722	7,745	700	708	9,153	8,713	1,211
Grand Total, Presidency ..	1,197	4,735; (*a*) 4,393	20,382	30,707	1,859	1,418	33,984	16,240	4,949

N.B.—Boundaries include, besides the outer perimeter, the limits of enclosures of private or other lands within the forests, but not the limits of sub-divisions, such as blocks, compartments, coupes. The lengths of boundaries of forests finally notified should alone be shown in this return.

(*a*) Cleared by the subordinate forest establishment free of cost.

(*b*) The discrepancy between the total of columns 3 and 4 of Form No. 46 and column 5 of the previous year's return is reported to be due partly to the exclusion from Form No. 46 of the boundary of the Pondakal block as the same is not a reserved forest and partly to the rectification of boundaries of some blocks.

(*c*) The discrepancy between the total of columns 3 and 4 of Form No. 46 and column 5 of the previous year's return is reported to be due to the addition of 20 miles of the Rampa boundary during the year.

(*d*) Represents or includes cost of temporary establishment.

(*e*) Includes Rs. 207 spent on demarcation of the enclosures in reserves under settlement and Rs. 43 in cutting coupe lines.

(*g*) Includes cost of rectification of boundaries.

(*h*) Includes cost of erecting cairns.

(*i*) The discrepancy between the total of columns 3 and 4 of Form No. 46 and column 5 of the previous year's return is reported to be due to the adoption of correct figures in the return for the year under report.

(*j*) Amount reported to have been spent on the demarcation of part of the external boundary of Padri reserve.

(*k*) Includes also cost of cutting block lines.

(*l*) Represents or includes amount spent in demarcating coupe lines of working circles.

(*m*) Added or deducted as per Accountant-General's audited figures.

(*n*) Cost of demarcating the boundaries of certain coffee estates within the interior of certain reserves.

(*o*) Coupe lines of working circles. This figure has been taken from abstract G in the District report.

(*p*) The correct total of column 5 of the previous year's return is reported to be 125 and not 133.

(*q*) The correct total of column 5 of the previous year's return is reported to be 515 and not 517.

Form No. 47.

Forest Department, Madras Presidency.

Statement of Forest Areas surveyed and under survey during the year 1902–1903.

Districts.	Areas surveyed and under survey during the year 1901–1902.															
	Special Surveys—Maps on 4-inch scale or over by Survey of India Department or Madras Survey.								Ordinary, included in district surveys.							
	With interior details.					Boundary surveys.			With interior details.					Boundary surveys.		
	With details of growing stock.		Without details of growing stock.		Total cost.	Previous.	Of year.	Total cost.	With details of growing stock.		Without details of growing stock.		Total cost.	Previous.	Of year.	Total cost.
	Previous.	Of year.	Previous.	Of year.					Previous.	Of year.	Previous.	Of year.				
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
Northern Circle.	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.	RS.	L. MLS.	L. MLS.	RS.	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.	RS.	L. MLS.	L. MLS.	RS.
Ganjám	..	..	..	..	..	..	284	..	..	..	..	..	..	..	..	..
Vizagapatam	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Gódávari	..	..	..	..	..	..	161	..	..	..	..	..	..	..	..	..
Kistna	..	..	..	..	..	482	..	..	18	..	351	52	47	678	118	137
Kurnool	..	..	1,886	476	1,33,335	1,015	..	..	..	..	..	..	..	..	..	..
Bellary	..	..	..	..	..	..	..	..	..	..	569	..	..	..	..	..
Anantapur	..	..	168	..	..	..	..	..	..	..	188	..	..	..	..	..
Total, Northern Circle	..	..	2,054	476	1,33,335	1,497	445	..	18	..	1,108	52	47	678	118	137
Central Circle.																
Cuddapah	..	..	1,773	575	(*c*) 17,700	897	..	..	..	..	..	..	..	..	..	..
Nellore	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Chingleput	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
North Arcot	..	..	1,194	..	..	..	..	..	..	..	..	..	..	..	..	..
South ,,	..	..	217	..	(*e*) 8,829	82	..	..	..	..	(*f*) 441	..	..	..	..	..
North Salem	..	..	789	..	..	..	..	..	..	..	21	..	..	..	..	..
South ,,	..	..	681	..	..	..	..	..	..	..	..	..	..	..	(*g*) 49	..
Trichinopoly	..	..	66	..	25,000	9	..	..	..	..	..	..	..	149	..	..
Tanjore	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total, Central Circle	..	..	4,720	575	51,529	988	..	..	..	..	462	..	..	149	49	..
Southern Circle.																
South Canara	..	..	493	250	(*c*) 28,000	461	93	..	..	..	..	..	..	..	..	..
North Malabar	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
South ,,	7	..	46	..	..	..	..	..	..	..	2	..	..	..	..	..
The Nilgiris	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
North Coimbatore	..	..	1,880	141	..	299	..	..	10,050	..	..	..	..	..	..	..
South ,,	..	..	657	..	..	..	..	..	..	..	5	..	..	..	..	..
Madura	..	..	610	..	..	..	..	..	..	..	..	..	..	..	..	..
Tinnevelly	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total, Southern Circle	7	..	3,686	361	(*c*) 28,000	760	93	..	10,050	..	7	..	..	..	..	..
Grand Total, Reserved Forest	7	..	10,460	1,412	2,12,864	3,245	538	..	10,068	..	1,577	52	47	827	167	137

Statement of Forest Areas surveyed and under survey during the year 1901–1902—*cont.*

District.	Areas surveyed and under survey during the year 1901–1902—*cont.*								Areas remaining to be taken under survey.	Total reserved forest area at end of year, as per Form No. 44.	Cost.		
	Chain and compass or other surveys by local officers.												
	With interior details.					Boundary surveys.							
	4-inch or over.		Under 4-inch.		Total cost.						Previous.	Of year.	Entire cost of all surveys to end of the year.
	Previous.	Of year.	Previous.	Of year.		Previous.	Of year.	Total cost.					
	18	19	20	21	22	23	24	25	26	27	28	29	30
Northern Circle.	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.	RS.	L. MLS.	L. MLS.	RS.	SQ. MLS.	SQ. MLS.	RS.	RS.	RS.
Ganjám	23	30	..	..	79	953	65	590	..	538	13,855	632	14,487
Vizagapatam	..	29	..	..	..	..	..	..	..	345	1,023	676 +(*m*) 1	1,700
Gódávari	..	1	..	18	..	423	..	360	585	1,027	4,173	(*a*) 1,569 + (*m*) 1	5,743
Kistna	4	..	..	..	..	177	..	..	..	1,003	14,352	(*b*) 1,371	15,723
Kurnool	5	..	..	..	254	126	..	1,713	309	2,676	1,12,802	(*c*) 19,180	1,31,982
Bellary	..	..	..	..	..	..	..	..	..	636	..	+(*m*) 961	961
Anantapur	154	..	..	..	..	..	..	..	..	510	..	+(*m*) 369	369
Total, Northern Circle	186	60	..	18	333	1,679	65	2,663	894	6,735	1,46,205	24,760	1,70,965
Central Circle.													
Cuddapah	..	..	..	..	..	..	..	..	..	2,373	90,512	(*c*) 17,700	1,08,212
Nellore	..	..	..	..	..	..	..	..	..	748	576	672	1,248
Chingleput	..	..	..	..	..	..	..	..	..	214	..	476	476
North Arcot	97	..	..	..	..	..	..	..	..	1,291	16,956	(*d*) 387	17,343
South ,,	6	..	..	..	52	..	..	..	..	663	8,881	(*d*) 240	9,121
North Salem	..	..	..	..	..	3	..	..	..	924	16,677	1,004 +(*m*) 1	17,682
South ,,	..	..	..	..	..	5	..	192	54	735	16,677	+(*m*) 383	17,060
Trichinopoly	1	..	..	..	..	..	..	..	90	315	25,000	+(*m*) 360	25,360
Tanjore	19	..	..	..	..	..	..	..	..	19	..	..	..
Total, Central Circle	123	..	..	..	52	8	..	192	144	7,282	1,75,279	21,223	1,96,502
Southern Circle.													
South Canara	..	..	..	..	..	766	12	..	322	1,071	..	28,000	28,000
North Malabar	..	..	..	..	..	37	..	728	235	235	728	395	1,123
South ,,	..	..	..	..	..	184	..	..	211	266	1,305	342	1,647
The Nilgiris	..	..	..	..	..	..	..	..	..	498	..	386	386
North Coimbatore	..	..	..	..	..	..	..	..	..	1,650	76,973	327	77,300
South ,,	..	..	..	..	..	..	..	..	..	662	..	2,078	2,078
Madura	..	..	..	..	..	..	..	..	..	619	..	79	79
Tinnevelly	..	..	..	..	..	..	..	..	..	437	..	483	483
Total, Southern Circle	..	..	..	..	..	987	12	728	768	5,438	79,006	32,090	1,11,096
Grand Total, Reserved Forest	309	60	..	18	385	2,674	77	3,583	1,806	19,455	4,00,490	78,073	4,78,563

(*a*) Includes salaries of establishment and cost of surveying.
(*b*) Includes cost of establishment, viz., Rs. 1,187.
(*c*) Inclusive of the cost of triangulation and traversing.
(*d*) Pay of draughtsman.
(*e*) This does not include the cost of 99 square miles information in regard to which is not available.
(*f*) The variation in the figure is reported to be due to the notification of two blocks as reserved forests.
(*g*) Represents maps prepared from Revenue Survey village maps
(*m*) Added as per Accountant-General's audited figures.

Annual Form No. 48.

Forest Department, Madras Presidency.

Progress made in working-plans during 1902–1903.

District.	Areas for which working-plans have been completed and approved by the Board.		Areas for which working-plans are being compiled or have been compiled but not sanctioned.		Areas for which working-plans have still to be taken in hand.	Total forest area as in Form No. 44.	Entire cost per square mile of working-plans completed.	Remarks. *
	At commencement of year.	During year.	At commencement of year.	Taken in hand during year.				
1	2	3	4	5	6	7	8	9
Northern Circle.	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.	RS. A P.	RS.
Ganjám	..	(c) 17	..	336	185	538	..	485
Vizagapatam	21	..	..	154	170	345	..	..
Gódávari	(a) 50	350	40	6	581	1,027	..	170
Kistna	8	..	(b) 32	..	963	1,003	..	..
Kurnool	158	..	75	67	2,376	2,676	..	..
Bellary	12	..	134	70	420	636	..	..
Anantapur	..	..	..	206	304	510	..	..
Total ..	249	367	281	839	4,999	6,735	..	655
Central Circle.								
Cuddapah	3	..	..	..	2,370	2,373	..	1
Nellore	108	..	91	98	(b) 451	748	..	26
Chingleput	..	..	110	104	..	214	..	..
North Arcot	451	..	351	425	64	1,291	..	439
South Arcot	321	..	122	72	148	663	..	86
Salem (North)	93	..	66	409	356	924	..	..
Salem (South)	262	29	36	213	195	735	..	59
Trichinopoly	1	..	37	..	277	315	..	..
Tanjore	4	..	5	..	10	19	..	..
Total ..	1,243	29	818	1,321	3,871	7,282	..	611 + (f) 27
Southern Circle.								
South Canara	1	(g) 661	..	..	(b) 409	1,071	..	1
North Malabar	..	179	..	..	56	235	..	31
South Malabar	34	..	..	..	232	266	..	26
The Nilgiris	16	..	..	..	(b) 482	498	56	..
North Coimbatore ..	375	..	..	48	1,227	1,650	(d)	..
South Coimbatore ..	234	..	..	..	428	662	..	..
Madura	356	..	..	..	263	619	..	..
Tinnevelly	86	(e) 163	..	9	179	437	..	..
Total ..	1,102	1,003	..	57	3,276	5,438	..	58 + (f) 37
Grand Total ..	2,594	1,399	1,099	2,217	12,146	19,455	..	1,324+(f)64

* The figures in column 9 represent the cost incurred during the year under the budget sub-head A-VIII (*d*) —"Working-plans".

(*a*) Revised working-plans in respect of Bandamurlanka and Kandikuppa plantations, covering an area of 2 square miles were sanctiond during the year. Hence this area is omitted in column 2 and included in column 3.

(*b*) Revised figure reported by Collector. In the case of Nellore, includes also an area of 104 square miles in Rapur taluk, for which goat-browsing schemes have been sanctioned.

(*c*) Two working-plans, viz., for Majjagodo and Kukuluba ranges and for Augustinowgam casuarina plantation, covering an area of 321 square miles were sanctioned by the Board during the year under report, but the Collector states that the former working-plan lays down detailed prescriptions for only a portion of the Sál forests of the Majjagodo range; the area of which is estimated to be 16 square miles. The area of the other working-plan is 1·09 square miles. Hence the area in column 3 is entered as 17 square miles.

(*d*) Done by the District Forest establishment free of cost.

(*e*) Besides this area, working-plans in respect of babul areas within the Tinnevelly, Ottappidáram and Srívaikuntam taluks in the district have been sanctioned during the year under report.

(*f*) Lump sum spent under the budget sub-head A-VIII (*d*) "Working-plans" (Direction).

(*g*) Four working-plans covering an area of 736 square miles have been sanctioned during the year but the Collector reports that his figure may be accepted pending the receipt of area figures from the survey of India which figure, it is reported by the District Forest Officer, cannot be furnished until the Mysore-South Canara boundary is demarcated and surveyed.

ANNUAL.

Forest Department,

Communications

District.	New works undertaken during the year.					
	Buildings.		Roads and paths.			Total expenditure on new work.
	Description of building.	Expenditure incurred.	Road or path and object of the same.	Length of road or path.	Expenditure incurred.	
1	2	3	4	5	6	7
						Northern
Direction ..	....	RS. ..	....	MLS. ..	RS. ..	RS. ..
Ganjám ..	(*b*) Rest-houses	764	(*a*) Cart-roads	..	50	
	(*c*) Houses for subordinate establishments	25	(*b*) Bridle-paths	7	35	
	(*d*) Others	105				
	Total, Ganjám ..	894	Total ..	7	85	979
Vizagapatam.	(*b*) Rest-houses	699	....	..	..	
	(*c*) Houses for subordinate establishments	99				
	Total, Vizagapatam ..	798	Total ..	..	..	798
Gódávari ..	(*a*) Head-quarter houses ..	1,950	(*a*) Cart-roads	6	773	
	(*b*) Rest-houses	9	(*b*) Bridle-paths	9	2,893	
	(*d*) Others	9				
	Total, Gódávari ..	1,968	Total ..	15	3,666	5,634
Kistna ..	(*d*) Others	25	(*b*) Cart-roads	9	543	
	Total, Kistna ..	25	Total ..	9	543	568
Kurnool ..	(*b*) Rest-houses	967	(*a*) Cart-roads	5	1,360	
	(*c*) Houses for subordinate establishments	94				
	(*d*) Others..	790				
	Total, Kurnool ..	1,851	Total ..	5	1,360	3,211
Bellary ..	....	..	(*a*) Cart-roads	2	125	
	Total, Bellary ..	..	Total ..	2	125	125

FORM No. 49.

Madras Presidency.

and Buildings.

Repairs executed during the year.					
Buildings.		Roads and paths.			Total expended on repairs.
Nature of repairs.	Expenditure incurred.	Nature of repairs.	Length repaired.	Expenditure incurred.	
8	9	10	11	12	13
Circle.					
	RS.		MLS.	RS.	RS.
(*a*) Head-quarter houses	60	(*b*) Bridle paths	..	74	134
Total ..	60	Total ..	..	74	134
(*a*) Head-quarter houses	205	(*a*) Cart-roads	14	251	1,893
(*b*) Houses for subordinate establishments	44				
(*d*) Others	1,393	Add A-VII (*c*) ..	..	..	153
Total ..	1,642	Total ..	14	251	2,046
(*a*) Head-quarter houses	30	(*a*) Cart-roads	..	1	..
(*b*) Rest-houses	94	(*b*) Bridle-paths	..	52	..
(*c*) Houses for subordinate establishments	91		..	53	356
(*d*) Others	88	Add A-VII (*c*) ..	..	..	36
Total ..	303	Total ..	..	53	392
(*b*) Rest-houses	357	(*a*) Cart-roads	..	13	..
(*c*) Houses for subordinate establishments	10	(*b*) Bridle-paths	..	190	..
(*d*) Others	161	(*c*) Others	..	5	..
	528		..	208	2,146
Add pay of watchers	1,410	Add A-VIII (*c*) ..	..	..	1,751
Total ..	1,938	Total ..	..	208	3,897
(*a*) Head-quarter houses	147	(*a*) Cart-roads	7	316	..
(*b*) Rest-houses	161	(*b*) Bridle-paths	..	30	..
(*d*) Others	5		7	346	910
	313	Add A-VII (*c*) ..	..	..	990
Add pay of temporary establishments.	251				
Total ..	564	Total ..	7	346	1,900
(*a*) Head-quarter houses	190	(*a*) Cart-roads	..	284	2,054
(*b*) Rest-houses	1,038				
(*d*) Others	132		..	284	2,338
	1,360	Add A-VII (*c*) ..	..	..	447
Add pay of temporary establishments ..	694				
Total ..	2,054	Total ..	..	284	2,785
(*a*) Head-quarter houses	4	(*a*) Cart-roads	2	21	61
(*b*) Rest-houses	5				
(*d*) Others	26		2	21	82
	35	Add A-VII (*c*) ..	..	..	14
Add pay of temporary establishments ..	26				
Total ..	61	Total ..	2	21	96

Communications

District.	New works undertaken during the year.					
	Buildings.		Roads and paths.			Total expenditure on new work.
	Description of building.	Expenditure incurred.	Road or path and object of the same.	Length of road or path.	Expenditure incurred.	
1	2	3	4	5	6	7
		RS.		MLS.	RS.	RS.
Northern						
Anantapur ..	(*b*) Rest-houses	834	(*a*) Cart-roads	1	9	..
	Total, Anantapur ..	834	Total ..	1	9	843
Total, Northern Circle.	(*a*) Head-quarter houses ..	1,950	(*a*) Cart-roads	23	2,860	..
	(*b*) Rest-houses	3,273	(*b*) Bridle-paths	16	2,928	..
	(*c*) Houses for subordinate establishments	218				
	(*d*) Others	929				
	Total, Northern Circle ..	6,370	Total ..	39	5,788	12,158
Central						
Direction ..	....	..	....	..	..	..
Cuddapah ..	(*b*) Rest-houses	12	....	..	..	175
	(*c*) Houses for subordinate establishments	163	....	..	..	..
	Total, Cuddapah ..	175	Total ..	..	..	175
Nellore ..	(*a*) Head-quarter houses ..	747	....	..	..	1,059
	(*b*) Rest-houses	302				
	(*d*) Others	10				
	Total, Nellore ..	1,059	Total ..	..	..	1,059
Chingleput ..	(*b*) Rest-houses	22	....	..	..	217
	(*c*) Houses for subordinate establishments	195				
	Total, Chingleput ..	217	Total ..	..	..	217
North Arcot ..	(*a*) Head-quarter houses ..	..	(*a*) Cart-roads	2	168	..
	(*b*) Rest-houses	149	(*b*) Bridle-paths	3	28	..
	(*c*) Houses for subordinate establishments	102				
	(*d*) Others	417				
	Total, North Arcot ..	668	Total ..	5	196	864

and Buildings—*cont.*

Repairs executed during the year.					
Buildings.		Roads and paths.			Total expended on repairs.
Nature of repairs.	Expenditure incurred.	Nature of repairs.	Length repaired.	Expenditure incurred.	
8	9	10	11	12	13
Circle—cont.					
	Rs.		Mls.	Rs.	Rs.
(*a*) Head-quarter houses	490	....	..	..	1,338
(*b*) Rest-houses	61	Add A-VII (*c*)	..	..	15
	551				
Add pay of temporary establishments	787				
Total ..	1,338	Total ..	..	..	1,353
(*a*) Head-quarter houses	1,126	(*a*) Cart-roads	23	886	..
(*b*) Rest-houses	1,760	(*b*) Bridle-paths	..	346	..
(*c*) Houses for subordinate establishments	101	(*c*) Others	..	5	..
(*d*) Others	1,805				
	4,792		23	1,237	9,197
Add pay of temporary establishments ..	3,168	Add A-VII (*c*) ..	..	..	3,406
Total ..	7,960	Total ..	23	1,237	12,603
Circle.					
(*a*) Head-quarter houses	12	....	..	..	..
Total ..	12	Total ..	..	..	12
(*a*) Head-quarter houses	141	....	..	..	562
(*b*) Rest-houses	47	Add A-VII (*c*) ..	..	..	33
(*c*) Houses for subordinate establishments	45				
(*d*) Others	66				
	299				
Add pay of temporary establishments	263				
Total ..	562	Total ..	..	..	595
(*b*) Rest-houses	77	....	..	..	231
		Add A-VII (*c*) ..	..	..	376
Add pay of temporary establishments.	154				
Total ..	231	Total ..	..	..	607
(*a*) Head-quarter houses	62	....	..	..	335
(*b*) Rest-houses	208	Add A-VII (*c*) ..	..	..	45
(*c*) Houses for subordinate establishments	4				
(*d*) Others	5				
	279				
Add pay of temporary establishment.	56				
Total ..	335	Total ..	..	..	380
(*a*) Head-quarter houses	50	(*a*) Cart-roads	320	4,332	..
(*b*) Rest-houses	1,194	(*b*) Bridle-paths	5	44	..
(*c*) Houses for subordinate establishments	..		325	4,376	6,711
(*d*) Others	95	Add A-VII (*c*) ..	..	..	182
	1,339				
Add pay of temporary establishments.	996				
Total ..	2,335	Total ..	325	4,558	6,893

Communications.

District.	New works undertaken during the year.					Total expenditure on new work.
	Buildings.		Roads and paths.			
	Description of building.	Expenditure incurred.	Road or path and object of the same.	Length of road or path.	Expenditure incurred.	
1	2	3	4	5	6	7
						Central
		RS.		MLS.	RS.	RS.
South Arcot ..	....	..	....	..	..	..
	Total, South Arcot ..	..	Total ..	..	..	..
North Salem ..	(*b*) Rest-houses	184	(*a*) Cart-roads	..	1,529	..
	Total, North Salem ..	184	Total ..	..	1,529	1,713
South Salem ..	(*a*) Head-quarter houses ..	..	(*a*) Cart-roads	..	145	..
	(*b*) Rest-houses	..				
	(*c*) Houses for subordinate establishments	434				
	(*d*) Others	4				
	Total, South Salem ..	438	Total ..	..	145	583
Trichinopoly ..	(*b*) Rest-houses	71	....	..	..	..
	(*c*) Houses for subordinate establishments	10				
	(*d*) Others	25				
	Total, Trichinopoly ..	106	Total ..	..	..	106
Tanjore ..	....	..	....	..	..	..
	Total, Tanjore ..	..	Total ..	..	..	..
Total, Central Circle.	(*a*) Head-quarter houses ..	747	(*a*) Cart-roads	2	1,842	..
	(*b*) Rest-houses	740	(*b*) Bridle paths	3	28	..
	(*c*) Houses for subordinate establishments	904				
	(*d*) Others	456				
	Total, Central Circle ..	2,847	Total ..	5	1,870	4,717
						Southern
South Canara.	(*a*) Head-quarter houses ..	370				
	(*b*) Rest-houses	801				
	(*c*) Houses for subordinate establishments	291				
	Total, South Canara ..	1,462	Total ..	..	..	1,462
North Malabar.	....	..	(*a*) Roads and bridges	1	1,143	..
	Total, North Malabar ..	..	Total ..	1	1,143	1,143
South Malabar.	(*a*) Head-quarter houses ..	2,155	(*b*) Bridle-paths	8	261	3,596
	(*b*) Rest-houses	1,180				
	Total, South Malabar ..	3,335	Total ..	8	261	3,596
The Nilgiris ..	(*a*) Head-quarter houses ..	843				
	(*b*) Rest-houses	140				
	(*c*) Houses for subordinate establishments	1,003				
	(*d*) Others	50				
	Total, The Nilgiris ..	2,036	Total ..	..	..	2,036

and Buildings—*cont.*

Repairs executed during the year.					
Buildings.		Roads and paths.			Total expended on repairs.
Nature of repairs.	Expenditure incurred.	Nature of repairs.	Length repaired.	Expenditure incurred.	
8	9	10	11	12	13
Circle—cont.					
	RS.		MLS.	RS.	RS.
(*a*) Head-quarter houses	7	(*b*) Bridle-paths	7	253	694
(*b*) Rest-houses	129				
(*d*) Others	5				
	141		7	253	694
Add pay of temporary establishment ..	300	Add A-VII (*c*) ..	..	..	1
Total ..	441	Total ..	7	253	695
(*a*) Head-quarter houses	30	....	..	..	47
(*b*) Rest-houses	17	Add A-VII (*c*) ..	..	..	198
Total ..	47	Total ..	..	..	245
(*a*) Head-quarter houses	24	(*a*) Cart-roads	..	680	947
(*b*) Rest-houses	114				
(*d*) Others	129				
		Add A-VII (*c*) ..	..	..	109
Total ..	267	Total ..	..	680	1,056
(*b*) Rest-houses	128	....	..	..	128
Total ..	128	Total ..	..	..	128
(*b*) Rest-houses	3	....	..	..	3
Total ..	3	Total ..	..	..	3
(*a*) Head-quarter houses	326	(*a*) Cart-roads	320	5,012	..
(*b*) Rest-houses	1,917	(*b*) Bridle-paths	12	297	..
(*c*) Houses for subordinate establishments	49				
(*d*) Others	300				
	2,592		332	5,309	9,670
Add pay of temporary establishment.	1,769	Add A-VII (*c*) ..	..	..	944
Total ..	4,361	Total ..	332	5,309	10,614
Circle.					
(*a*) Head-quarter houses	81	(*a*) Cart-roads	9	43	379
(*b*) Rest-houses	17				
(*d*) Others	166				
	264				
Add pay of temporary establishment.	72	Add A-VII (*c*) ..	..	..	8
Total ..	336	Total ..	9	43	387
(*a*) Head-quarter houses	446	(*a*) Cart-roads	96	2,611	1,226
(*b*) Rest-houses	780				
			96	2,611	3,837
		Add A-VII (*c*) ..	..	..	129
Total ..	1,226	Total ..	96	2,611	3,966
(*a*) Head-quarter houses	154	(*a*) Cart-roads	21	842	..
(*b*) Rest-houses	209	(*b*) Bridle-paths	62	165	..
(*c*) Houses for subordinate establishments	249		83	1,007	1,619
		Add A-VII (*c*) ..	..	..	729
Total ..	612	Total ..	83	1,007	2,348
(*d*) Others	846	(*a*) Cart-roads	64	991	..
			64	991	1,837
		Add A-VII (*c*) ..	..	..	103
Total ..	846	Total ..	64	991	1,940

District.	New works undertaken during the year.					
	Buildings.		Roads and paths.			Total expenditure on new work.
	Description of building.	Expenditure incurred.	Road or path and object of the same.	Length of road or path.	Expenditure incurred.	
1	2	3	4	5	6	7
						Southern
		Rs.		Mls.	Rs.	Rs.
North Coimbatore.	(*b*) Rest-houses	3,538	(*a*) Cart-roads	27	9,588	..
	(*d*) Others	892			(b)—1,500	..
		(*a*)—148	(*b*) Bridle-paths	15	2,171	..
	Total, North Coimbatore ..	4,282	Total ..	42	10,259	14,541
South Coimbatore.	(*a*) Head-quarter houses ..	394	(*c*) Others	2	114	..
	(*c*) Houses for subordinate establishments	5,783				
	(*d*) Others	1,054				
	Total, South Coimbatore ..	7,231	Total ..	2	114	7,345
Madura ..	(*a*) Head-quarter houses ..	372	(*a*) Cart-roads	25	33	..
	(*b*) Rest-houses	1,825			(*c*)+117	..
	Total, Madura ..	2,197	Total ..	25	150	2,347
Tinnevelly ..	(*b*) Rest-houses	2,440	(*c*) Others	..	93	2,895
	(*c*) Houses for subordinate establishments	303				
	(*d*) Others	59				
	Total, Tinnevelly ..	2,802	Total ..	..	93	2,895
Total, Southern Circle.	(*a*) Head-quarter houses ..	4,134	(*a*) Cart roads	53	9,381	..
	(*b*) Rest-houses	9,924	(*b*) Bridle-paths	23	2,432	..
	(*c*) Houses for subordinate establishments	7,380	(*c*) Others	2	207	..
	(*d*) Others	1,907				
	Total, Southern Circle ..	23,345	Total ..	78	12,020	35,365
Grand Total, Presidency.	(*a*) Head-quarter houses ..	6,831	(*a*) Cart roads	74	14,083	
	(*b*) Rest-houses	13,937	(*b*) Bridle-paths	46	5,388	
	(*c*) Houses for subordinate establishments	8,502	(*c*) Others	2	207	
	(*d*) Others	3,292				
	Total, Presidency ..	32,562	Total ..	122	19,678	..

(*a*) Deducted as per Accountant-General's audited figures.

(*b*) Recovered from Deputy Ranger C. Venkatasubbiah on account of bad work done by him in respect of the construction of a cart-track from Kempanayakanpalaiyam to Ekkattur.

(*c*) Pay of road watchers.

and Buildings—*cont.*

Repairs executed during the year.					
Buildings.		Roads and paths.			Total expended on repairs.
Nature of repairs.	Expenditure incurred.	Nature of repairs.	Length repaired.	Expenditure incurred.	
8	9	10	11	12	13
Circle—cont.					
	RS.		MLS.	RS.	RS.
(*a*) Head-quarter houses	760	(*a*) Cart-roads	..	669	..
(*b*) Rest-houses	332	Add pay of road maistries and road			..
(*d*) Others	762	coolies	..	5,788	
	1,854		..	6,457	8,766
Add pay of watchers ..	455	Add A-VII (*c*) ..	..	..	525
Total ..	2,309	Total ..	..	6,457	9,291
(*a*) Head-quarter houses	770	(*a*) Cart-roads	28	2,137	..
(*b*) Rest-houses	859	(*b*) Bridle-paths	9	91	..
(*c*) House for subordinate establishments	5	(*c*) Others	..	137	..
(*d*) Others	121		37	2,365	4,120
		Add A-VII (*c*) ..	..	..	3,649
Total ..	1,755	Total ..	37	2,365	7,769
(*a*) Head-quarter houses	185		..	..	1,035
(*b*) Rest-houses	484	Add A-VII (*c*) ..	..	..	261
(*c*) Houses for subordinate establishments	8				
	677				
Add pay of watchers ..	358				
Total ..	1,035	Total ..	..	..	1,296
(*a*) Head-quarter houses ..	68	(*a*) Cart-roads	89	2,951	..
(*b*) Rest-houses	530	(*b*) Bridle-paths	22	955	..
(*c*) Houses for subordinate establishments	88				
(*d*) Others	51		111	3,906	4,643
		Add A-VII (*c*) ..	..	..	52
Total ..	737	Total ..	111	3,906	4,695
(*a*) Head-quarter houses	2,464	(*a*) Cart-roads	298	*16,032	..
(*b*) Rest-houses	3,211	(*b*) Bridle-paths	93	1,211	..
(*c*) Houses for subordinate establishments	350	(*c*) Others	..	137	..
(*d*) Others	1,946				
	7,971		391	17,380	..
Add pay of watchers ..	885				
			391	17,380	26,236
		Add A-VII (*c*) ..	..	..	5,456
Total ..	8,856	Total ..	391	17,380	31,692
(*a*) Head-quarter houses	3,916	(*a*) Cart roads	641	21,930	..
(*b*) Rest-houses	6,888	(*b*) Bridle-paths	105	1,854	..
(*c*) Houses for subordinate establishments	500	(*c*) Others	..	142	..
(*d*) Others	4,051				
Total ..	15,355	Total ..	746	23,926	45,103
Add pay of watchers ..	5,822	Add A-VII (*c*) ..	..	..	9,806
Grand Total ..	21,177	Grand Total ..	746	23,926	54,909

* Includes pay of road maistries and road coolies in the North Coimbatore Division.

Annual Form No. 50.

Forest Department, Madras Presidency.

Register of Breaches of Forest Rules during 1902–1903.

District.		Cases pending from 1901–1902.	New cases of the year.					Total cases.	Disposed of during the year.						Cases pending at close of year.
			Injury to forest by fire.	Unauthorized felling or appropriation of wood and minor forest produce.	Grazing without permission or in tracts in which grazing is prohibited.	Other offences.	Total new cases of the year.		Convictions.		Acquittals.		Total.		
									Cases.	Persons.	Cases.	Persons.	Cases.	Persons.	
1		2	3	4	5	6	7	8	9	10	11	12	13	14	15
						Northern Circle.									
Ganjám	A	(a) 73	12	196	44	8	260	333	180	435	34	158	214 * 56	593 * 194	63
	B	(a) 19	..	83	23	6	112	131	117	327	..	..	117	327	14
	C	..	..	39	..	..	39	..	..	..	..	..	..	..	..
	Total ..	92	12	318	67	14	411	464	297	762	34	158	331 * 56	920 * 194	77
Vizagapatam ..	A	27	5	42	7	2	56	83	76	225	1	1	77	226	6
	B	76	5	321	90	23	439	515	434	1,572	..	..	434 * 34	1,572 * 48	47
	C	..	1	..	..	..	1	..	..	..	..	..	..	..	..
	Total ..	103	11	363	97	25	496	598	510	1,797	1	1	511 * 34	1,798 * 48	53
Gódávari (b) ..	A	(b) 37	6	147	51	24	228	265	196	439	19	67	215 * 2	505 * 8	48
	B	(b) 51	2	(c) 221 2	61	31	(c) 315 2	(c) 366 2	211	454	..	..	211 * 133 * (c) 2	454 * 348 * (c) 4	22
	C	..	12	7	..	1	20	..	..	..	..	..	..	..	..
	Total ..	88	20	(c) 375 2	112	56	(c) 563 2	(c) 631 2	407	892	19	67	426 * 135 * (c) 2	959 * 356 * (c) 4	70
Kistna	A	47	..	20	24	6	50	97	77	305	4	18	81	323	16
	B	177	1	198	317	49	565	742	434	2,500	..	..	434 * 252	2,500 * 979	56
	C	..	13	20	72	5	110	..	..	..	..	..	..	..	..
	Total ..	224	14	238	413	60	725	839	511	2,805	4	18	515 * 252	2,823 * 979	72

A. Cases taken into Court. B. Cases compounded. C. Cases undetected. * Withdrawn under the orders of the District Forest-officer.

(a) The closing balances under items A and B in column 15 of the previous year's return was 43 and 49 respectively. Of these 30 cases were transferred from B to A.

(b) The variations in the figures between the closing balance of the previous year's return and the opening balance of that of the year under report are due to transfers between the heads A and B.

(c) Drift wood cases.

Register of Breaches of Forest Rules during 1902–1903—*cont.*

District.		Cases pending from 1901–1902.	New cases of the year.					Total cases.	Disposed of during the year.						Cases pending at close of year.
			Injury to forest by fire.	Unauthorized felling or appropriation of wood and minor forest produce.	Grazing without permission or in tracts in which grazing is prohibited.	Other offences.	Total new cases of the year.		Convictions.		Acquittals.		Total.		
									Cases.	Persons.	Cases.	Persons.	Cases.	Persons.	
1		2	3	4	5	6	7	8	9	10	11	12	13	14	15
Northern Circle—cont.															
Kurnool ..	A	(*a*) 123	..	289	334	116	739	862	518	1,303	46	165	564 * 39	1,468 * 112	259
	B	(*a*) 43	..	160	128	149	437	480	426	1,228	..	..	426 * 3	1,228 * 22	51
	C	..	..	17	1	3	21	..	..	..	..	..	..	...	..
	Total ..	166	..	466	463	268	1,197	1,342	944	2,531	46	165	990 * 42	2,696 * 134	310
Bellary ..	A	161	2	59	37	27	125	286	104	212	17	86	121 * 19	298 * 63	146
	B	65	1	425	529	63	1,018	1,083	818	2,210	..	..	818 * 176	2,210 * 778	89
	C	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Total ..	226	3	484	566	90	1,143	1,369	922	2,422	17	86	939 * 195	2,508 * 841	235
Anantapur ..	A	39	..	140	95	20	255	294	217	733	41	216	258	949	36
	B	45	1	224	160	11	396	441	369	1,178	..	..	369 * 46	1,178 * 172	26
	C	..	28	..	2	..	30	..	..	..	..	..	..	..	..
	Total ..	84	29	364	257	31	681	735	586	1,911	41	216	627 * 46	2,127 * 172	62
Total, Northern Circle.	A	507	25	893	592	203	1,713	2,220	1,368	3,651	162	711	1,530 * 116	4,362 * 377	574
	B	476	10	1,634	1,308	332	3,284	3,760	2,809	9,469	..	..	2,809 * 646	9,469 * 2,351	305
	C	..	54	83	75	9	221	..	..	..	..	..	..	..	..
Grand Total, Northern Circle ..		983	89	2,610	1,975	544	5,218	5,980	4,177	13,120	162	711	4,339 * 762	13,831 * 2,728	879

A. Cases taken into Court. B. Cases compounded. C. Cases undetected. * Withdrawn under the orders of the District Forest-officer.

(*a*) The closing balance under items A and B in column 15 of the previous year's return was 96 and 70, respectively. Of these, 27 cases under item B were transferred to head A, during the year under report.

Register of Breaches of Forest Rules during 1902-1903—*cont.*

District.		Cases pending from 1901-1902.	New cases of the year.					Total cases.	Disposed of during the year.						Cases pending at close of year.
			Injury to forest by fire.	Unauthorized felling or appropriation of wood and minor forest produce.	Grazing without permission or in tracts in which grazing is prohibited.	Other offences.	Total new cases of the year.		Convictions.		Acquittals.		Total.		
									Cases.	Persons.	Cases.	Persons.	Cases.	Persons.	
1		2	3	4	5	6	7	8	9	10	11	12	13	14	15
Central Circle.															
Cuddapah ..	A	101	9	175	148	13	345	446	352	1,018	46	234	398 * 11	1,252 * 53	37
	B	148	..	348	420	82	850	998	757	1,806	..	..	757 * 115	1,806 * 456	126
	C	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Total ..	249	9	523	568	95	1,195	1,444	1,109	2,824	46	234	1,155 * 126	3,058 * 509	163
Nellore	A	125	..	137	595	12	744	869	716	1,194	39	154	755 * 6	1,348 * 7	108
	B	47	..	305	559	13	877	924	858	1,520	..	..	858	1,520	66
	C	..	..	15	76	11	102	..	..	..	..	..	..	..	..
	Total ..	172	..	457	1,230	36	1,723	1,793	1,574	2,714	39	154	1,613 * 6	2,868 * 7	174
Chingleput ..	A	(*a*) 61	..	87	25	6	118	179	117	456	15	45	132 * 41	501 * 98	6
	B	(*a*) 191	..	426	150	2	578	769	641	1,189	..	..	641 * 33	1,189 * 76	95
	C	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Total ..	252	..	513	175	8	696	948	758	1,645	15	45	773 * 74	1,690 * 174	101
North Arcot ..	A	(*b*) 552	2	443	428	31	904	1,456	1,153	2,886	71	415	1,224 * 119	3,301 * 407	113
	B	(*b*) 192	1	784	932	56	1,773	1,965	1,629	3,616	..	..	1,629 * 107	3,616 * 278	229
	C	..	218	4	..	1	223	..	..	..	..	..	..	..	..
	Total ..	744	221	1,231	1,360	88	2,900	3,421	2,782	6,502	71	415	2,853 * 226	6,917 * 685	342

A. Cases taken into Court. B. Cases compounded. C. Cases undetected. * Withdrawn under the District Forest-officer's orders.

(*a*) The closing balances under items A and B in column 15 of the previous year's return was 23 and 229 respectively; of these 38 cases under B were transferred to A.

(*b*) The closing balance under items A and B in column 15 of the previous year's return was 269 and 475 respectively; of these, 283 cases under head B were transferred to A.

Register of Breaches of Forest Rules during 1902–1903—*cont.*

District.		Cases pending from 1901–1902.	New cases of the year.					Total cases.	Disposed of during the year.						Cases pending at close of year.
			Injury to forest by fire.	Unauthorized felling or appropriation of wood and minor forest produce.	Grazing without permission or in tracts in which grazing is prohibited.	Other offences.	Total new cases of the year.		Convictions.		Acquittals.		Total.		
									Cases.	Persons.	Cases.	Persons.	Cases.	Persons.	
1		2	3	4	5	6	7	8	9	10	11	12	13	14	15
						Central Circle—cont.									
South Arcot	A	(*a*) 266	..	643	290	28	961	1,227	949	2,249	74	351	1,023 * 7	2,600 * 17	197
	B	(*a*) 360	..	1,237	1,011	78	2,326	2,686	1,995	3,999	..	..	1,995 * 227	3,999 * 445	464
	C	..	22	301	40	16	379	..	..	..	..	..	..	..	..
	Total	626	22	2,181	1,341	122	3,666	3,913	2,944	6,248	74	351	3,018 * 234	6,599 * 462	661
North Salem	A	114	3	143	81	25	252	366	222	565	31	97	253 * 43	662 * 94	70
	B	101	1	834	525	16	1,376	1,477	1,328	2,728	..	..	1,328	2,728	149
	C	..	..	13	8	..	21	..	..	..	..	..	..	..	..
	Total	215	4	990	614	41	1,649	1,843	1,550	3,293	31	97	1,581 * 43	3,390 * 94	219
South Salem	A	125	1	329	102	27	459	584	327	1,284	45	136	372 * 18	1,420 * 37	194
	B	131	..	799	330	7	1,136	1,267	979	2,801	..	..	979 * 56	2,801 * 206	232
	C	..	..	5	..	..	5	..	..	..	..	..	..	..	..
	Total	256	1	1,133	432	34	1,600	1,851	1,306	4,085	45	136	1,351 * 74	4,221 * 243	426
Trichinopoly	A	(*b*) 19	5	64	46	2	117	136	99	294	17	57	116	351	20
	B	(*b*) 132	..	574	505	35	1,114	1,246	1,102	2,457	..	..	1,102 * 40	2,457 * 128	104
	C	..	..	..	23	..	23	..	..	..	..	..	..	..	..
	Total	151	5	638	574	37	1,254	1,382	1,201	2,751	17	57	1,218 * 40	2,808 * 128	124

A. Cases taken into Court. B. Cases compounded. C. Cases undetected. * Withdrawn under the District Forest-officer's orders.

(*a*) The closing balance under items A and B in column 15 of the previous year's return was 187 and 439, respectively; of these 79 cases under B were transferred to A.

(*b*) The closing balance under items A and B in column 15 of the previous year's return was 25 and 128; of these, 5 cases under B were transferred to A and 11 cases under A (including 2 withdrawn cases) to B during the year under report.

Register of Breaches of Forest Rules during 1902–1903—*cont.*

District.	Cases pending from 1901–1902.	New cases of the year.					Total cases.	Disposed of during the year.						Cases pending at close of year.
		Injury to forest by fire.	Unauthorized felling or appropriation of wood and minor forest produce.	Grazing without permission or in tracts in which grazing is prohibited.	Other offences.	Total new cases of the year.		Convictions.		Acquittals.		Total.		
								Cases.	Persons.	Cases.	Persons.	Cases.	Persons.	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Central Circle—cont.														
Tanjore .. .. A	(*a*) 13	..	18	19	4	41	54	46	85	7	11	53	96	1
B	(*a*) 11	..	55	78	2	135	146	114	211	..	..	114	211	14
												* 18	* 32	
C	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total ..	24	..	73	97	6	176	200	160	296	7	11	167	307	15
												* 18	* 32	
Total, Central Circle. A	1,376	20	2,039	1,734	148	3,941	5,317	3,981	10,031	345	1,500	4,326	11,531	746
												* 245	* 713	
B	1,313	2	5,362	4,510	291	10,165	11,478	9,403	20,327	..	..	9,403	20,327	1,479
												* 596	* 1,621	
C	..	240	338	147	28	753	..	..	..	..	..	..	..	..
Grand Total, Central Circle ..	2,689	262	7,739	6,391	467	14,859	16,795	13,384	30,358	345	1,500	13,729	31,858	2,225
												* 841	* 2,334	
Southern Circle.														
South Canara .. A	(*b*) 49	9	106	24	64	203	252	106	233	37	132	143	365	35
B	(*b*) 38	2	251	39	50	342	380	320	659	..	..	* 74	* 179	60
C	..	1	33	3	11	48	..	..	..	..	..	320	659	..
												..	..	
Total ..	87	12	390	66	125	593	632	426	892	37	132	463	1,024	95
												* 74	* 179	
North Malabar .. A	2	..	1	..	2	3	5	3	3	..	..	3	3	2
B	..	..	..	..	4	4	4	3	6	..	..	3	6	..
												* 1	* 1	
C	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total ..	2	..	1	..	6	7	9	6	9	..	..	6	9	2
												* 1	* 1	

A. Cases taken into Court. B. Cases compounded. C. Cases undetected. * Withdrawn under the District Forest-officer's orders.

(*a*) The closing balance under items A and B in column 15 of the previous year's return was 8 and 16, respectively; of these 5 cases under B were transferred to A during the year under report.

(*b*) The closing balance under items A and B in column 15 of the previous year's return was 37 and 50 respectively; of these, 12 cases under item B were transferred to A during the year under report.

Register of Breaches of Forest Rules during 1902-1903—*cont.*

District.		Cases pending from 1901-1902.	New cases of the year.					Total cases.	Disposed of during the year.						Cases pending at close of year.
			Injury to forest by fire.	Unauthorized felling or appropriation of wood and minor forest produce.	Grazing without permission or in tracts in which grazing is prohibited.	Other offences.	Total new cases of the year.		Convictions.		Acquittals.		Total.		
									Cases.	Persons.	Cases.	Persons.	Cases.	Persons.	
1		2	3	4	5	6	7	8	9	10	11	12	13	14	15
						Southern Circle—cont.									
South Malabar ..	A	..	..	8	..	..	8	8	4	24	..	..	4	24	4
	B	1	..	5	..	..	5	6	6	27	..	..	6	27	..
	C	..	..	1	..	..	1	..	..	..	..	..	..	..	..
	Total ..	1	..	14	..	..	14	14	10	51	..	..	10	51	4
The Nilgiris ..	A	25	14	54	42	22	132	157	116	305	19	90	135	395	22
	B	17	..	119	57	20	196	213	162	463	..	..	162	463	51
	C	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Total ..	42	14	173	99	42	328	370	278	768	19	90	297	858	73
North Coimbatore.	A	(*a*) 30	1	55	55	5	116	146	97	329	22	109	119 / * 1	438 / * 3	26
	B	(*a*) 9	..	88	60	9	157	166	98	326	..	..	98 / * 56	326 / * 178	12
	C	..	87	1	..	..	88	..	..	..	..	..	..	..	..
	Total ..	39	88	144	115	14	361	312	195	655	22	109	217 / * 57	764 / * 181	38
South Coimbatore..	A	18	1	94	39	42	176	194	150	437	15	97	165	534	29
	B	23	..	119	76	92	287	310	197	430	..	..	197 / * 59	430 / * 180	54
	C	..	..	..	14	..	14	..	..	..	..	..	..	..	..
	Total ..	41	1	213	129	134	477	504	347	867	15	97	362 / * 59	964 / * 180	83
Madura	A	(*b*) 185	..	135	71	3	209	394	202	381	37	222	239 / * 42	1,103 / * 123	113
	B	(*b*) 16	..	430	179	7	616	632	445	1,811	..	..	445 / * 54	1,811 / * 237	133
	C	..	..	2	..	..	2	..	..	..	..	..	..	..	..
	Total ..	201	..	567	250	10	827	1,026	647	2,692	37	222	684 / * 96	2,914 / * 360	246

A. Cases taken to Court. B. Cases compounded. C. Cases undetected. * Withdrawn under the District Forest-officer's orders.

(*a*) The closing balance under items A and B in column 15 of the previous year's return was 18 and 21 respectively; of these 12 cases under B were transferred to A.

(*b*) The closing balance under items A and B in column 15 of the previous year's return was 181 and 20 respectively; of these 4 cases under B were transferred to A.

Register of Breaches of Forest Rules during 1902–1903—*cont.*

District.		Cases pending from 1901–1902.	New cases of the year.					Total cases.	Disposed of during the year.						Cases pending at close of year.
			Injury to forest by fire.	Unauthorized felling or appropriation of wood and minor forest produce.	Grazing without permission or in tracts in which grazing is prohibited.	Other offences.	Total new cases of the year.		Convictions.		Acquittals.		Total.		
									Cases.	Persons.	Cases.	Persons.	Cases.	Persons.	
1		2	3	4	5	6	7	8	9	10	11	12	13	14	15
Southern Circle—cont.															
Tinnevelly	A	14	4	26	34	1	65	79	68	117	7	10	75	127	4
	B	28	..	250	24	11	285	313	222	362	..	..	222 / * 41	862 / Not stated.	50
	C	..	..	9	75	7	91	..	..	..	..	..	..	..	..
	Total	42	4	285	133	19	441	392	290	979	7	10	297 / * 41	989	54
Total, Southern Circle.	A	323	29	479	265	139	912	1,235	746	2,329	137	660	883 / * 117	2,989 / * 305	235
	B	132	2	1,262	435	193	1,892	2,024	1,453	4,584	..	..	1,453 / * 211	4,584 / * 596	360
	C	..	88	46	92	18	244	..	..	..	..	..	..	..	..
Grand Total, Southern Circle		455	119	1,787	792	350	3,048	3,259	2,199	6,913	137	660	2,336 / * 328	7,573 / * 901	595
Total, Presidency	A	2,206	74	3,411	2,591	490	6,566	8,772	6,095	16,011	644	2,871	6,739 / * 478	18,882 / * 1,395	1,555
	B	1,921	14	8,258	6,253	816	15,341	17,262	13,665	34,380	..	..	13,665 / * 1,453	34,380 / * 4,568	2,144
	C	..	382	467	314	55	1,218	..	..	..	..	..	..	..	..
Grand Total, Presidency		4,127	470	12,136	9,158	1,361	23,125	26,034	19,760	50,391	644	2,871	20,404 / * 1,931	53,262 / * 5,963	3,699

A. Cases taken into court. B. Cases compounded. C. Cases undetected.

* Withdrawn under the District Forest-officer's orders.

Division.	Details of prosecutions for offences by fire.					
	Serial number of fire.	Areas burnt.	Character of offence (whether careless or intentional).	Whether acquitted or convicted.	Section of law under which convicted.	Amount of punishment.
Ganjám*	1 †	*Nil.*	Intentional ..	Convicted	Section 21 (*b*) of the Madras Forest Act.	Sentenced to *one month's* rigorous imprisonment.
	2 †	4 sq. yds.	Careless	Do. ..	Do. do.	Sentenced to pay a fine of Rs. 3 each (three accused).
	3	½ acre.	Do. ..	Withdrawn ..	....	....
	4	....	Do. ..	Do.	....	....
	5	*Nil.*	Intentional ..	Convicted	Section 21 (*b*) of the Madras Forest Act.	Sentenced to two weeks' rigorous imprisonment each (two accused).
	6	*Nil.*	Do. ..	Do.	Do. 21 (*c*) of do.	Sentenced to two weeks' rigorous imprisonment.
	7	320 acres.	Careless	Withdrawn ..	....	....
	8	3 ,,	Do. ..	Do.	....	....
	9	*Nil.*	Intentional ..	Convicted	Section 21 (*c*) of the Madras Forest Act.	First accused sentenced to a fine of Rs. 3 and the remaining four accused acquitted.
	10	9 sq. chains.	Do. ..	Do.	Do. 21 (*b*) of do.	First accused sentenced to a fine of Rs. 10 and the second acquitted.
	11	*Nil.*	Do. ..	Acquitted	....	....
	12	*Nil.*	Careless	Convicted	Section 21 (*b*) of the Madras Forest Act.	Six accused sentenced to seven days' rigorous imprisonment each.
	13	*Nil.*	Do. ..	Do.	Do. do.	Two accused sentenced to pay a fine of Re. 1 each.
	14	320 acres.	Intentional ..	Pending trial ..	....	....
	15	300 ,,	Do. ..	Do. further inquiry.	....	....
	16	60 ,,	Do. ..	Do. trial ..	....	....
Vizagapatam	1	2,560 ,,	Do. ..	Convicted	Section 21 (*b*) of the Madras Forest Act.	Sentenced to pay a fine of Rs. 10, or in default, to suffer one month's rigorous imprisonment.
	2	....	Careless	Do.	Do. 21 (*c*) of do.	Two accused sentenced to pay a fine of Rs. 2 each.
	3	1,920 ,,	Do.	Acquitted	Do. 21 (*b*) of do.	....
	4	500 ,,	Do.	Convicted	Do. 21 (*c*) of do.	Six accused sentenced to pay a fine of Rs. 4 each.
	5	8 ,,	Intentional ..	Do.	Do. 21 (*c*) of do.	First and second accused sentenced to pay a fine of Rs. 15 each and the remaining six accused to pay a fine of Re. 1 each.
Gódávari	1	121 acres.	Careless ..	Pending	....	It is simply reported that in two of these cases conviction was secured, but the nature of punishment inflicted is not stated.
	2 & 3	Not known				
	4	6,500 acres.	Do. ..	Do.	....	....
	5	*Nil.*	Intentional ..	Do.	....	....
	6	2	Careless	Convicted	....	The nature of conviction not stated.
	7	*Nil.*	Do. ..	Do.	Section 21 of the Madras Forest Act.	Sentenced to pay a fine of Rs. 7 or, in default, to undergo rigorous imprisonment for a week.
	8	....	Intentional ..	Compounded ..	....	....
Kistna	1	10 acres.	Do. ..	Convicted	Section 21 of the Madras Forest Act.	Sentenced to four days' simple imprisonment.
Bellary	1	Unknown.	Careless	Withdrawn ..	....	....
	2	Do.	Do. ..	Acquitted	....	....
	3	Do.	Do. ..	Pending	....	....

* In cases Nos. 1, 5, 6, 9, 11, 12 and 13 where the area burnt is shown as *nil* the accused were either found in the forest with a lighted fire or in the act of setting fire, so that no appreciable area was actually burnt.

† Last year's pending cases.

APPENDIX—*cont.*

Division.	Details of prosecutions for offences by fire.					
	Serial number of fire.	Areas burnt.	Character of offence (whether careless or intentional).	Whether acquitted or convicted.	Section to law under which convicted.	Amount of punishment.
Cuddapah	1	240 acres.	Intentional ..	6 accused acquitted.	....	....
	2	....	Do. ..	2 do. ..	....	....
	3	278 acres.	Do. ..	Convicted	Section 21 of the Madras Forest Act.	One accused; sentenced to two months' rigorous imprisonment.
	4	....	Do. ..	Withdrawn ..	....	Withdrawn for want of evidence.
	5	206 acres.	Do. ..	Convicted	Section 21 of the Madras Forest Act.	One accused; sentenced to two weeks' rigorous imprisonment.
	6	3,200 ,,	Do. ..	Pending	....	....
	7	12,000 ,,	Do. ..	Acquitted	....	....
	8	....	Do. ..	Convicted	Section 21 of the Madras Forest Act.	One accused; sentenced to fifteen days' rigorous imprisonment.
	9	....	Do. ..	Do.	Do. do.	Two accused; sentenced to fifteen days' rigorous imprisonment each.
	10	....	Do. ..	Do.	Do. do.	Four accused; sentenced to one month's rigorous imprisonment each.
	11	....	Do. ..	Do.	Do. do.	Two accused; sentenced to one month's rigorous imprisonment each.
	12	1,800 acres.	Do. ..	Do.	Do. do.	One accused convicted and sentenced to two months' rigorous imprisonment and four acquitted.
	13	1 acre.	Do. ..	Pending	Do. do.	....
North Salem	1	*Nil.*	Do. ..	Convicted	Section 21 (*b*) of the Madras Forest Act.	Sentenced to two months' rigorous imprisonment.
	2	*Nil.*	Do. ..	Pending	....	....
South Salem	1	20 acres.	Do. ..	Convicted	Section 21 (*b*) of the Madras Forest Act.	First and third accused sentenced to suffer ten days' rigorous imprisonment each and the second accused to three weeks' rigorous imprisonment.
Trichinopoly	1	....	Do. ..	Do.	Section 26 (*b*) of the Madras Forest Act.	Two accused fined Rs. 16 each.
	2	....	Do. ..	Do.	Section 21 (*c*) of the Madras Forest Act.	Do. fined Rs. 5 each.
	3	....	Do. ..	Do.	Do. do.	Six accused fined Rs. 5 each.
	4	....	Do. ..	Do.	Do. do.	Five accused fined Rs. 5 each.
	5	....	Do. ..	Do.	Do. do.	Eight accused fined Rs. 5 each.
South Canara	1	13 acres.	Careless	Compounded ..	Section 21 (*b*) of the Madras Forest Act.	Sentenced to pay a fine of Rs. 12.
	2	50 ,,	Do. ..	Convicted	Do. do.	
	3	15 ,,	Intentional ..	Acquitted	Do. do.	
	4	5 ,,	Careless	Do. ..	....	These cases were shown as pending at the close of the previous year.
	5	5 ,,	Do. ..	Compounded ..	Section 21 (*b*) of the Madras Forest Act.	
	6	6 ,,	Do. ..	Do.	Do. do. ..	....
	7	4 ,,	Do. ..	Pending	....	....
	8	30 ,,	Intentional ..	Do.	....	....
	9	1,000 ,,	Careless	Convicted	Section 21 (*b*) of the Madras Forest Act.	Sentenced to pay a fine of Rs. 14.
	10	75 ,,	Intentional ..	Do.	Do. do.	Do. of Rs. 15.
	11	4 ,,	Do. ..	Do.	Section 26 of the Forest Rules 11—15..	Do. of Rs. 8.
	12	4 ,,	Careless	Do.	Do. do.	Do. of Rs. 6.
	13	50 ,,	Do. ..	Do.	Do. do.	Sentenced to fifteen days' rigorous imprisonment.
	14	..	Intentional ..	Pending	....	....
	15	3 ,,	Do. ..	Withdrawn ..	....	....
	16	15 ,,	Careless	Pending	....	....

APPENDIX—*cont.*

Division.	Details of prosecutions for offences by fire,					
	Serial number of fire.	Areas burnt.	Character of offence (whether careless or intentional).	Whether acquitted or convicted.	Section of law under which convicted.	Amount of punishment.
The Nilgiris	1	....	Careless	Acquitted	....	....
	2	¼ acre.	Intentional ..	Convicted	Section 21 (*c*) of the Madras Forest Act.	Fined Rs. 5, in default to suffer ten days' rigorous imprisonment.
	3	....	Do. ..	Pending	....	....
	4	....	Do. ..	Convicted	Section 21 (*c*) of the Madras Forest Act.	First accused sentenced to pay a fine of Rs. 10 and the second accused Rs. 3.
	5	....	Careless	Acquitted	....	....
	6	....	Intentional ..	Convicted	Section 21 (*c*) of the Madras Forest Act.	Sentenced to pay a fine of Rs. 10, in default to suffer one month's rigorous imprisonment.
	7	30 acres.	Careless	Acquitted	....	....
	8	20 ,,	Intentional ..	Convicted	Section 21 (*c*) of the Madras Forest Act.	Sentenced to one month's rigorous imprisonment.
	9	....	Careless	Do.	Do. do.	Sentenced to pay a fine of Rs. 3.
	10	....	Do.	Do.	Do. do.	Sentenced to pay a fine of Rs. 3, in default to suffer seven days' rigorous imprisonment.
	11	10 ,,	Intentional ..	Do.	Do. do.	Two accused sentenced to one month's rigorous imprisonment each.
	12	4 ,,	Do. ..	Pending	....	....
	13	10 ,,	Do. ..	Convicted	Section 21 (*c*) of the Madras Forest Act.	Sentenced to pay a fine of Rs. 5 and to suffer one month's rigorous imprisonment.
	14	20 ,,	Careless	Pending	....	....
North Coimbatore ..	1	60 ,,	Intentional ..	Do.	....	....
South Coimbatore ..	1	....	Do. ..	Convicted	Section 21 (*d*) and (*f*) of the Madras Forest Act.	Sentenced to undergo two weeks' rigorous imprisonment.
Madura	3	Not known ..	Do. ..	Withdrawn ..	....	Shown as pending at the close of the previous year.
Tinnevelly	1	250 acres.	Careless	Convicted	Section 21 (*b*) of the Madras Forest Act.	Two accused fined Rs. 20 each. One of the accused appealed, but the sentence was confirmed.
	2	130 ,,	Intentional ..	Do.	Do. do.	The accused was fined Rs. 60.
	3	40 ,,	Do. ..	Do.	Do. do.	Fined Rs. 10.
	4	5,000 ,,	Do.	Do.	Do. do.	Sentenced to one month's rigorous imprisonment and to pay a fine of Rs. 50.

ANNUAL FORM No. 51.

Forest Department, Madras Presidency.

AREA of Forest Tracts protected from Fire during 1902-1903.

District.	Forest tracts.	Year in which protection commenced.	Area protected during the previous year.	During dry season of 1903.			Cost during the season.	Remarks.
				Area attempted to be protected.	Fires.	Actually protected.		
1	2	3	4	5	6	7	8	9
Ganjam—*	*Northern Circle.*		ACS.	ACS.	ACS.	ACS.	RS.	
Special.	Gullery	1901 ..	540	2,346	343	2,003	198	
	Rambha	1903 ..	..	235	235	..	42	
Mojjaguda..	Baiballi	1903 ..	..	200	30	170	69	
	Darpangia	1903 ..	..	816	676	140	26	
	Dhimrijholi	1903 ..	..	392	6	386	47	
	Tiliki	1903 ..	..	640	7	633	58	
	Total, Mojjaguda ..	..	540	4,629	1,297	3,332	440	
Kukuluba ..	Brahmanasai	1901 ..	808	1,545	135	1,410	196	
	Chendragiri	1903 ..	..	4,500	154	4,346	347	
	Gogodo	1903 ..	..	3,100	450	2,650	127	
	Ambazora	1903 ..	..	2,000	..	2,000	70	
	Total, Kukuluba ..	..	808	11,145	739	10,406	740	
Buguda ..	Panchabhuthi	1903 ..	..	2,500	..	2,500	133	
	Kurcholi	1901 ..	1,268	800	4	796	78	
	Kriamba	1903 ..	..	8,000	550	7,450	326	
	Total, Buguda ..	..	1,268	11,300	554	10,746	537	
Suradá ..	Rogada	1903 ..	..	5,120	100	5,020	205	
	Mundapetta	1903 ..	..	2,560	3	2,557	130	
	Dabuki	1903 ..	..	1,200	8	1,192	54	
	Dowgam	1903 ..	..	2,000	2	1,998	83	
	Pippalaonka	1903 ..	..	4,480	13	4,467	178	
	Total, Suradá ..	..	..	15,360	126	15,234	650	
	Total, Special protection..	..	2,616	42,434	2,716	39,718	2,366	
Berhampur.	Ramaguda	1885 ..	7,955	7,955	28	7,927	42	
	Baniamari	1885 ..	4,028	4,030	40	3,990	42	
	South Mohiri	1885 ..	3,408	3,418	4	3,414	33	
	Total Berhampur ..	..	15,391	15,403	72	15,331	117	
Mojjaguda..	Tiliki	1889 ..	3,842	..	..	..	..	
	Dhimirijholi	1889 ..	5,436	..	..	..	..	
	Darpangia	1889 ..	5,744	..	..	..	..	
	Gullery	1889 ..	26,842	..	..	..	..	
	Kaliamba	1889 ..	8,793	..	..	..	9	
	Baiballi	1889 ..	9,778	..	..	..	..	
	Total, Mojjaguda ..	..	60,435	..	..	..	9	
Kukuluba ..	Gogodo	1890 ..	7,327	..	..	..	..	
	Chodiapalli	1891 ..	853	..	..	..	4	
	Chendragiri	1885 ..	16,550	..	..	..	..	
	Brahmanasai	1889 ..	5,573	..	..	..	..	
	Total, Kukuluba ..	..	30,303	..	..	..	4	
Buguda ..	Panchabhuthi	1889 ..	2,937	..	..	..	..	
	Kurcholi	1889 ..	2,755	..	..	..	..	
	Kriamba	1902 ..	1,765	..	..	..	..	
	Total, Bugada ..	..	7,457	..	..	..	..	
Surada ..	Dabuki	1890 ..	1,444	..	..	..	..	
	Dowgam	1889 ..	2,136	..	..	..	..	
	Pippalaponka	1889 ..	3,934	..	..	..	..	
	Total, Surada ..	..	7,514	..	..	..	..	
	Total, General ..	..	121,100	15,403	72	15,331	130	
	Total, Ganjam, Special and General.	..	123,716	57,837	2,788	55,049	2,496	

* Areas shown in column 5 are, for the most part, approximate, the survey of all the blocks not having been completed yet.

Area of Forest Tracts protected from Fire during 1902-1903—*cont.*

District.	Forest tracts.	Year in which protection commenced.	Area protected during the previous year.	During dry season of 1903.			Cost during the season.	Remarks.
				Area attempted to be protected.	Fires.	Actually protected.		
1	2	3	4	5	6	7	8	9
	Northern Circle—cont.		ACS.	ACS.	ACS.	ACS.	RS.	
Vizagapatam.	Dharakonda	..	39,764	42,894	17,668	25,226		
	Senivaram	..	24,813	31,488	11,000	20,488		
	Sithakhandi	..	2,325	2,368	2	2,366		
	Arlova	..	80	4,318	..	4,318		
	Karaka	..	7,553	9,461	..	9,461		
	Madalammakonda	1900-1901.	3,175	3,600	..	3,600		
	Pedimikonda	..	3,227	3,227	..	3,227		
	Kodavatipudi	..	..	1,544	..	1,544	50 0 0	
	Kakarlakonda	..	..	1,924	..	1,924		
	Bodapalem	..	..	308	..	308		
	Venkatapuram	..	..	508	..	508		
	Peddapalli	1892 ..	9,077	9,077	..	9,077		
	Kadagandi	1900-1901.	11,064	..	..	..		
	Barnakonda	1900-1901.	13,431	..	..	..		
	Total, Vizagapatam ..	..	(a) 114,509	110,717	28,670	82,047	50 0 0	
Gódávari—General. Bhadráchalam range.	Dummagudem reserve ..	1887 ..	6,101	6,110	3	6,107	137	
	Arlagudem	1888 ..	6,136	6,136	..	6,136	151	
	Gogubaka	1887 ..	..	..	..	..	..	
	Total, Bhadráchalam ..	..	12,237	12,246	3	12,243	288	
Marrigudem range.	Repaka	1887 ..	7,000	7,000	..	7,000	140	
	Ramachandram	1887 ..	10,300	10,300	135	10,165	180	
	Tatlanka	1887 ..	11,983	12,000	95	11,905	180	
	Total, Marrigudem ..	..	29,283	29,300	230	29,070	500	
Rékapalle range.	Mattapalli	1887 ..	9,375	9,500	2,400	7,100	64	
	Rekapalle hills—							
	Compartment I ..	1901 ..	..	12,000	400	11,600	453	
	Compartments II to IX.	1903 ..	..	112,029	38,217	73,812		
	Compartment X ..	1902 ..	5,100	14,003	13,900	103		
	Pulusumamidi reserve forest.	1902 ..	4,417	4,520	1,360	3,160	33	
	Fire tracing compartment No. I of Rékapalli hills reserve.						378	
	Total, Rékapalle ..	..	18,892	152,052	56,277	95,775	928	
	Total, Sub-division ..	..	60,412	193,598	56,510	137,088	1,716	
Rajahmundry range.	Devancheruvu	1887 ..	2,051	2,051	..	2,051	..	
	Kodeda	1889 ..	1,280	1,280	..	1,280	16	
	Murari	1889 ..	700	700	..	700	16	
	Sudikonda	1887 ..	6,128	6,880	39	6,841	30	
	Tirumalayapalem	1887 ..	5,038	5,150	14	5,136	48	
	Mallavaram	1887 ..	7,515	7,600	60	7,540	32	
	Molleru	1887 ..	8,122	8,250	98	8,152	32	
	Lakkonda	1887 ..	12,304	13,104	3,040	10,064	63	
	Total, Rajahmundry ..	..	43,138	45,015	3,251	41,764	237	
Peddápuram range.	Thotapalli	1890 ..	2,150	2,150	2	2,148	32	
Yernagúdem range.	Jilugumalli	1898 ..	3,318	3,318	..	3,318	15	
	Beddadavole	1890 ..	14,928	15,000	209	14,791	42	
	Marlagudem	1890 ..	2,100	2,100	..	2,100	38	
	Barrinkalapadu	1898 ..	1,650	1,650	..	1,650	7	
	Fire tracing along the Hyderabad boundary.						4	
	Total, Yernagúdem ..	..	21,996	22,068	209	21,859	106	

(a) This is the total area that has been shown under General and Special protection in the District in column 7 of the previous year's return. This figure has been adopted in column 4, viz., the opening balance of this year's return.

Area of Forest Tracts protected from Fire during 1902–1903—*cont.*

District.	Forest tracts.	Year in which protection commenced.	Area protected during the previous year.	During dry season of 1903.			Cost during the season.	Remarks.
				Area attempted to be protected.	Fires.	Actually protected.		
1	2	3	4	5	6	7	8	9
	Northern Circle—cont.		ACS.	ACS.	ACS.	ACS.	RS.	
Gódávari—*cont.* Ellore range.	Barrikonda	1888 ..	4,010	4,010	..	4,010	56	
	Bandamcherla	1888 ..	5,200	5,200	..	5,200	70	
	Erraguntapalli	1888 ..	8,640	8,640	6	8,634	98	
	Fire tracing the boundaries of reserves I and III above.						16	
	Total, Ellore ..	..	17,850	17,850	6	17,844	240	
	Total for the Main division.	..	85,134	87,083	3,468	83,615	615	
	Grand Total, Gódávari ..	..	145,546	280,681	59,978	220,703	2,331	
Kistna—(Special) ..	Kondapalli Compartments II, III, IV, V, VI, IX, XI and XIV.	1884–85 ..	7,400	9,979	..	9,979	191	
	Tadepalli	1889–90 ..	2,287	300	125	175	6	
	Kondavid	1888–89 ..	12,757	2,100	42	2,058	23	
	Venkatayapalem reserve compartments I, II and III.	1894–95 ..	15,588	15,588	181	15,407	83	
	Bollapalli reserve, compartments 1 to 6 (*a*).	1885–86 ..	18,584	18,584	..	18,584	32	
	Gangalakunta	1890–91 ..	24,424	16,781	2,720	14,061	85	
	Pasvimula	1892–93 ..	10,158	8,963	..	8,963	23	
	Total, Special ..	..	91,198	72,295	3,068	69,227	443	
(General) ..	Kondapalli reserve and its Extension No. 1 (*b*). ..	..	13,047	11,968	..	11,968	..	
	Tadepalli	..	1,155	2,005	125	1,880	..	
	Kondavid	..	8,400	10,757	7	10,750	..	
	Venkatayapalem	..	24,978	24,978	..	24,978	..	
	Gangalakunta	..	..	878	..	878	..	
	Pasvemula	..	8,217	9,412	..	9,412	..	
	Total, General ..	..	55,797	59,998	132	59,866	..	
	Total, Kistna, Special and General.	..	146,995	132,293	3,200	129,093	443	
Kurnool ..	North and South Bairluti block.	1887 ..	6,652	17,152	14,900	2,252	235	
	"A" block	1889 ..	5,936	5,267	706	4,561	202	
	South Chelama	1891 ..	7,938	6,965	2,421	4,544	260	
	South Chelama Addition ..	1894 ..	4,019	5,378	5,086	292	38	
	Gummakonda	1893 ..	7,267	7,680	7,680	..	81	
	Diguvametta	1891 ..	785	785	..	785	64	
	Western Veligonda block.	1889 ..	17,360	17,780	648	17,132	66	
	Chelama Improvement felling blocks.	1895 ..	1,400	1,114	789	325	45	
	Fire tracing Railway line and Chelama house.	..	..	..	..	..	149	
	Gazulapalli Railway felling coupe.	1902 ..	..	* ..	..	..	48	
	Chelama Railway felling coupe.	1902 ..	265	1,016	975	41	23	
	Cumbum Railway felling coupes.	1902 ..	1,200	2,400	1,122	1,278	152	
	Jangambhave block ..	1891 ..	113	113	..	113	38	
	Gadedamadgu felling coupes.	1903 ..	..	108	..	108	5	
	North Dhone felling coupes.	1903 ..	..	716	300	416	13	
	Kamalapuram felling coupse.	1903 ..	..	94	70	24	2	
	Palerdam coupe	1903 ..	..	602	88	514	..	
	Total, Kurnool ..	..	52,935	67,170	34,785	32,385	1,421	
Bellary—Sandúr range.	Ramandrug	1883 ..	12,323	5,411	831	4,580	639	
	North-East range ..	1883 ..	7,418	2,680	1,624	1,056		
	Donimalai	1883 ..	4,245	1,112	..	1,112		
	Tornagal	1898–99 ..	50	..	..	..		
Adóni range.	Kuppigal	1892–93 ..	497	497	5	492		Abandoned.
	Tungabhadra	1892–93 ..	84	84	..	84		

* Area included in "A" block.

(*a*) This block was shown to have been under "General" protection in the previous year's return.

(*b*) This does not appear to have been shown under either special or general protection in last year's return.

Area of Forest Tracts protected from Fire during 1902–1903—*cont.*

District.	Forest tracts.	Year in which protection commenced.	Area protected during the previous year.	During dry season of 1903.			Cost during the season.	Remarks.
				Area attempted to be protected.	Fires.	Actually protected.		
1	2	3	4	5	6	7	8	9
Bellary—*cont.*	*Northern Circle—cont.*		ACS.	ACS.	ACS.	ACS.	RS.	
Bellary range.	Malapanagudi	1886–87 ..	1,060	1,060	..	1,060	639	
Kudligi range.	Chiribi (Main) (*a*)	1899–1900.	4,380	..	..	..		
	Sivapuram	..	..	200	100	100		
Harpanahalli range.	Hyrada coupes	1899–1900.	1,116	1,116	1,116	..		
	Total, Bellary ..	..	31,173	12,160	3,676	8,484	639 —(*d*) 11	
Anantapur —(Special).	Muchukota	1884 ..	7,000	7,000	2	6,998	212	
	Kottakota	1884 ..	11,001	11,016	520	10,496	325	
	Total, Special ..	..	18,001	18,016	522	17,494	537	
(General).	Kojjepalli (*b*)	1889 ..	342	..	..	..	..	
	Durgam	1894 ..	3,640	3,640	..	3,640	42	
	Amagondapalliem	1884 ..	14,460	15,360	525	14,835	52	
	Gopidevarapalli	1891 ..	1,884	1,884	..	1,884	..	
	Nyalakota	1890 ..	12,153	12,156	7,957	4,199	28	
	Dokkalakonda	1898 ..	7,420	7,420	..	7,420	26	
	Guttur West	1887 ..	3,355	3,880	102	3,778	49	
	Kekathi	1898 ..	1,235	1,235	..	1,235	..	
	Iyyampalli	1903 ..	..	1,344	..	1,344	16	
	Anantapur (*b*)	1889 ..	129	..	..	..	..	
	Total, General ..	..	44,618	46,919	8,584	38,335	213	
	Total, Anantapur, Special and General.	..	62,619	64,935	9,106	55,829	750	
	Total, Northern Circle (special).	..	195,923	212,075	44,767	167,308	5,395	
	Total, Northern Circle (General).	..	481,570	513,718	97,436	416,282	2,724	
	Grand Total, Northern Circle.	..	677,493	725,793	142,203	583,590	8,119	
	Central Circle.							
Cuddapah (*c*) Pullampet range— Veligonda block.	Chiyyavaram reserve and extension.	1903 ..	..	30,702	4,232	26,470	438	
	Kodur reserve and extension.	1874 ..	7,440					
	Settigunta reserve ..	1871 ..	8,960					
Pullampet sub-block.	Seshachalam reserve ..	1867–73 ..	176,200	77,085	11,745	65,340	778	
Vayalpad sub-block.	Do. ..	1890–1903.		33,586	2,726	30,860	379	
Sidhout Palkonda block.	Palkonda reserve	1901 ..	25,300	12,420	370	12,050	217	
Cuddapah Palkonda block.	Do.			35,510	9,240	26,270	494	
Sidhout r ange.	Lankamalais ..	1883 ..	7,000	17,660	4,338	13,322	314	
Cuddapah range.	Do. ..			17,140	4,808	12,332	408	
Badvel range	Nallamalais	1883–85 ..	51,200	27,558	4,500	23,058	623	
	Do.	1889–91–1903		34,000	15,495	18,505	382	
Proddatur range.	Horsleykonda reserve ..	..	9,630	21,739	..	21,739	117	
	Nigidi reserve	..	14,000	27,770	3,200	24,570	116	
	Tsadukonda reserve ..	..	2,200	2,200	960	1,240	25	
	Thunukonda	1874 ..	1,048	..	..	..	11	
	Vattalur	1887 ..	2,380	..	..	..	13	
	Gandikota	1883 ..	12,480	..	..	..	25	
	Yerrakonda and extension.	1899 ..	32,000	..	..	..	25	
	Upparapalle, Kodur, Reddipalli, Pullampet and Mittanudipalle plantations.	..	1,700	..	..	..	..	
	Total, Cuddapah ..	..	352,038	337,370	61,614	275,756	4,365	

(*a*) Abandoned. (*b*) Removed from the area of general protection during the year.
(*c*) The discrepancy between the closing balance of the previous year's return and the opening balance of the return for 1902–1903 has not been explained.
(*d*) Deducted as per Accountant-General's audited figures.

Area of Forest Tracts protected from Fire during 1902-1903—*cont.*

Districts.	Forest tracts.	Year in which protection commenced.	Area protected during the previous year.	During dry season of 1903.			Cost during the season.	Remarks.
				Area attempted to be protected.	Fires.	Actually protected.		
1	2	3	4	5	6	7	8	9
	Central Circle—cont.		ACS.	ACS.	ACS.	ACS.	RS.	
Nellore ..	Udayagiri Veligonda A and B blocks in Udayagiri range.	1883 ..	59,951	60,000	980	59,020	547	
	Rapur-Veligonda A and B blocks in Rapur range	1883 ..	27,940	30,720	440	30,280	426	
	Nandanavanam block and its extensions A and B and Vedullacheruvu or Kanigiri-Veligonda.	1883 ..	26,770	26,780	2,860	23,920	184	
	Udayagiri-Durgam hill and Karisakonda in Udayagiri range.	1902 ..	15,760	15,760	..	15,760	85	
	Udayagiri-Yerrakonda ..	1903 ..	..	14,080	..	14,080	139	
	Gundlakonda in Udayagiri range.	1903 ..	..	720	..	720	..	
	Total, Nellore ..	..	130,421	148,060	4,280	143,780	1,381	
Chingleput—								
Chingleput range.	Maiyur	1900-1901.	283	283	..	283	341	
Tiruvallúr range.	Karunguli tope	1900-1901.	16	16	..	16		
	Kambakkam	1883-84 ..	15,829	15,879	301	15,578		
	Nagalapuram	1883-84 ..	9,602	9,632	..	9,632		
	Total, Chingleput ..	..	25,730	25,810	301	25,509	341	
North Arcot —(Special). Chittoor	Paradarani	1880 ..	13,402	8,897	110	8,787	40	
	Irala A and B	1888 ..	12,505	12,531	144	12,387	86	
	Chittaparai	1888 ..	4,250	4,250	20	4,230	32	
	Cheelapalli (*a*)	1884 ..	1,166	..	..	..	4	
	Mahimandalam	1888 ..	2,528	..	..	..	..	
	Pachigunta	1888 ..	1,800	1,800	..	1,806	30	
	Veerasettipalli (*a*) ..	1888 ..	7,287	..	..	..	8	
	Puthalapat	1891 ..	3,077	3,077	..	3,077	22	
	Parappumalai	1899 ..	2,227	2,227	..	2,227	45	
	Tavanampalli	1899 ..	1,862	1,862	1	1,861	55	
	Kinatipalli (*a*)	1884 ..	1,417	..	..	..	4	
	Total, Chittoor ..	..	51,521	34,644	275	34,369	326	
Chandragiri.	Napier	1880 ..	8,785	8,826	..	8,826	285	
	Mamandur	1874 ..	1,760	1,760	15	1,745	126	
	Do. extension ..	1888 ..	10,291	10,291	110	10,181	142	
	Mungilpat	1890 ..	27,704	27,744	295	27,449	77	
	Panapakam	1880 ..	17,318	17,318	155	17,163	93	
	Nagapatla	1890 ..	18,874	18,912	324	18,588	77	
	Tirupati hill	1888 ..	16,314	18,554	1,210	17,344	206	
	Tirupati extensions A and B.	1891 ..	6,297	6,298	250	6,048	29	
	Panapakam extension (*a*)..	1892 ..	9,082	..	..	..	..	
	Chandragiri hill	1892 ..	1,293	..	..	..	..	
	Chamala	1880 ..	19,109	19,142	455	18,687	180	
	Total, Chandragiri ..	..	136,827	128,845	2,814	126,031	1,215	
Palmanér ..	Peddanaigdrug	1880 ..	14,382	14,135	3,688	10,448	28	
	Mordana	1884 ..	11,652	9,200	65	9,135	48	
	Charagal	1888 ..	17,942	6,504	1,120	5,384	21	
	Peddur	1880 ..	15,806	16,415	2,407	14,008	44	
	Naickaneri	1880 ..	6,705	6,735	1,761	4,974	34	
	Musilimadugu	1884 ..	5,542	5,542	3,400	2,142	44	
	Palmanér	1892 ..	6,451	6,148	770	5,378	30	
	Peddur extension ..	1895 ..	10,604	9,291	114	9,177	..	
	Coupe No. 24 Palmanér South Wg. Circle.	1903 ..	..	71	30	41	10	
	Coupe No. 25 Palmanér South Wg. Circle.	1903 ..	..	79	..	79	5	
	Coupe No. I Naickaneri North Wg. Circle.	1903 ..	..	105	..	105	7	
	Coupe No. I Peddunaigdrug North Wg. Circle.	1903 ..	..	102	..	102	10	
	Coupe No. I Peddunaigdrug Central Wg. Circle.	1903 ..	..	100	..	100	9	
	Coupe No. I Peddunaigdrug South Wg. Circle.	1903 ..	..	82	1	81	5	
	Coupe No. I Chargal W.C.	1903 ..	..	100	..	100	9	
	Do. No. XXV Chargal W.C.	1903 ..	..	115	15	100	10	
	Coupe No. I Pallalakuppam Wg. Circle.	1903 ..	..	103	30	73	10	

(*a*) Transferred to general protection during the year.

Area of Forest Tracts protected from Fire during 1902-1903—*cont.*

District.	Forest tracts.	Year in which protection commenced.	Area protected during the previous year.	During dry season of 1903.			Cost during the season.	Remarks.
				Area attempted to be protected.	Fires.	Actually protected.		
1	2	3	4	5	6	7	8	9
North Arcot—*cont.* Special protection—*cont.* Palmaner—*cont.*	*Central Circle*—cont.		Acs.	Acs.	Acs.	Acs.	Rs.	
	Coupe No. I Pidour Wg. Circle.	1903 ..	..	111	16	95	12	
	Coupe No. I Basavireddipalli Wg. Circle.	1903 ..	..	116	..	116	6	
	Coupe No. XXV Basavireddipalli Wg. Circle.	1903 ..	..	123	..	123	10	
	Total, Palmaner ..	..	89,084	75,178	13,417	61,761	352	
Gudiyáttam.	Penamadangi	1887 ..	10,515	10,515	..	10,515	64	
	Naickaneri (Gudi portion).	1884 ..	5,154	5,154	7	5,147	49	
	Mordana do. ..	1884 ..	12,159	14,552	804	13,748	40	
	Ambur drug	1884 ..	10,139	9,897	1,600	8,297	61	
	Mordana extension ..	1891 ..	8,851	8,994	1,850	7,144	20	
	Gundlapalli	1894 ..	7,354	7,330	..	7,330	37	
	Do. extension ..	1894 ..	928	928	400	528	4	
	Sayanagunta	1891 ..	7,352	7,241	..	7,241	55	
	Charagal (Gudi portion) ..	1893 ..	..	11,423	720	10,703	63	
	Kanjanur	1893 ..	1,545	1,549	..	1,549	30	
	Sayanagunta (extension) ..	1892 ..	..	2,496	..	2,496	16	
	Karapet . ..	1892 ..	8,000	7,932	600	7,332	74	
	Naickaneri extension ..	1887 ..	..	1,568	..	1,568	18	
	Paradarami extension ..	1889 ..	1,888	1,888	..	1,888	6	
	Paradarami (Gudi portion).	1903 ..	..	4,402	398	4,004	25	
	Coupe No. I of Karapat Wg. Circle.	1903 ..	..	68	2	66	11	
	Coupe No. I of Ambardrug Wg. Circle.	1903 ..	..	242	100	142	17	
	Coupe No. I of Charagal North Wg. Circle.	1903 ..	..	71	..	71	12	
	Coupe No. I of Charagal South Wg. Circle.	1903 ..	..	72	..	72	11	
	Coupe No. I of Satghur Wg. Circle.	1903 ..	..	100	100	..	12	
	Coupe No. I of Pakalakuppam Wg. Circle.	1903 ..	..	94	..	94	12	
	Coupe No. I of Rangampet South Wg. Circle.	1903 ..	..	62	6	56	11	
	Coupe No. I of Saynagunta	1903 ..	..	65	..	65	11	
	Do. I of Gundapalli.	1903 ..	..	124	..	124	19	
	Do. I of Paradarami.	1903 ..	..	103	2	101	15	
	Coupe No. I of Janguda-palli.	1903 ..	..	109	..	109	9	
	Total, Gudiyáttam ..	..	73,885	96,979	6,589	90,390	702	
Vellore ..	Panankatteri Wg. Circle coupe No. I.	1903 ..	..	227	..	227	21	
	Panankatteri Wg. Circle coupe No. II.	1903 ..	..	229	..	229	33	
	Arasambat Wg. Circle coupe No. I.	1903 ..	..	186	..	186	10	
	Vellakkal Wg. Circle coupe No. I.	1903 ..	..	270	..	270	28	
	Naickaneri Wg. Circle coupe. No. I	1902 ..	..	263	..	263	20	
	Do. No. II	1903 ..	..	236	..	236	5	
	Do. No. III	1903 ..	..	251	..	251	13	
	Do. No. XX	1903 ..	..	320	..	320	38	
	Do. No. XXI	1903 ..	..	277	..	277		
	Do. No. XXIII	1903 ..	..	273	..	273		
	Arasambat	1887 ..	17,371	17,890	1,351	16,539	99	
	Ambur fuel	1879 ..	5,453	5,183	115	5,068	8	
	Vellakal	1869 ..	5,036	5,037	500	4,537	31	
	Ambur block	1887 ..	27,878	25,616	845	24,771	16	
	Athiyur	1889 ..	4,645	4,800	97	4,703	8	
	Palamadi	1880 ..	7,957	8,160	660	7,500	143	
	Tellai (Vellore portion) ..	1891 ..	1,325	1,330	63	1,267	20	
	Karuthamalai	1882 ..	20,487	20,486	84	20,402	32	
	Kylasagiri	1892 ..	2,449	2,534	600	1,934	87	
	Kaniambadi	1892 ..	5,455	5,472	715	4,757	4	
	Thanankuppam	1893 ..	13,842	13,843	59	13,784	4	
	Appukkal	1892 ..	800	800	100	700	8	
	Banavaram	1880 ..	1,016	1,022	13	1,009	8	
	Peneganur	1884 ..	12,068	13,498	2,431	11,067	49	
	Ammur	1884 ..	5,139	5,139	487	4,652	30	
	Total, Vellore ..	..	130,921	133,342	8,120	125,222	715	

Area of Forest Tracts protected from Fire during 1902-1903—*cont.*

District.	Forest tracts.	Year in which protection commenced.	Area protected during the previous year.	During dry season of 1903.			Cost during the season.	Remarks.
				Area attempted to be protected.	Fires.	Actually protected.		
1	2	3	4	5	6	7	8	9
North Arcot—*cont.*			ACS.	ACS.	ACS.	ACS.	RS.	
Special Protection—*cont.*	*Central Circle*—cont.							
Pólúr ..	Karnatighur	1881 ..	7,270	7,270	22	7,248	239	
	Malyalam	1887 ..	28,460	28,614	8,448	20,166	91	
	Mulacadu	1890 ..	15,732	15,744	4,046	11,698	106	
	Santavasal	1890 ..	9,637	9,670	740	8,930	29	
	Periyamalai	1892 ..	6,815	6,970	900	6,070	46	
	Paruvadamalai	1892 ..	5,764	5,779	2,406	3,373	22	
	Thellai (Pólúr portion) ..	1891 ..	14,862	14,862	940	13,922	8	
	Vellimalai	1893 ..	2,003	2,003	111	1,892	8	
	Kelur	1884 ..	2,939	2,989	2	2,987	7	
	Virappanur	1886 ..	31,469	31,469	..	31,469	56	
	Puttur	1879 ..	18,458	18,458	..	18,458	..	
	Total, Pólúr ..	..	143,409	143,828	17,615	126,213	612	
	Total, Special ..	..	625,647	612,816	48,830	563,986	3,922	
General Protection.								
Chittoor ..	Santhapet	1882 ..	2,148	2,148	..	2,148	..	
	Basavapalli	1888 ..	1,784	1,784	..	1,784	..	
	Bommasamudram ..	1891 ..	1,172	1,128	..	1,128	..	
	Vavilthotta	1891 ..	2,495	2,495	..	2,495	..	
	Chittoor	1882 ..	385	386	2	384	..	
	Bommasamudram extension.	1892 ..	1,297	1,312	..	1,312	..	
	Kinatipalli extension ..	1893 ..	1,020	994	..	994	..	
	Basavapalle do. ..	1894 ..	841	841	..	841	..	
	Reddigunta	1893 ..	1,441	1,441	..	1,441	..	
	Chases hill	1893 ..	2,692	2,692	..	2,692	..	
	Irala extension	1893 ..	2,649	2,650	200	2,450	..	
	Penumur	1891 ..	1,082	1,082	..	1,082	..	
	Do. extension ..	1893 ..	3,123	3,123	..	3,123	..	
	Santhapet do. ..	1893 ..	482	482	..	482	..	
	Chilapallee	1884 ..	..	1,166	..	1,166	..	
	Mahimandalam	1888 ..	..	2,528	..	2,528	..	
	Veerasettipalli	1888 ..	..	7,287	..	7,287	..	
	Kinatipalle	1884 ..	..	1,417	..	1,417	..	
	Total, Chittoor ..	..	22,611	34,956	202	34,754	..	
Chandragiri.	Sanambatla	1892 ..	5,126	5,139	60	5,079	..	
	Pakala A and B	1894 ..	2,035	2,035	..	2,035	..	
	Napier extension	1900 ..	26	26	..	26	..	
	Penamur	1893 ..	1,350	1,350	..	1,350	..	
	Padipatlabylu	1880 ..	4,295	4,294	100	4,194	..	
	Damalcherla	1892 ..	2,367	2,368	..	2,368	..	
	Panapakkam extension ..	1892 ..	..	9,082	1	9,081	..	
	Chandragiri hill	1893 ..	..	1,293	..	1,293	..	
	Total, Chandragiri ..	..	15,199	25,587	161	25,426	..	
Palmanér ..	Basavareddipalli	1884 ..	5,952	5,253	300	4,953	..	
	Palmanér plantation ..	1884 ..	2	2	..	2	..	
	Nagamangalam do. ..	1884 ..	20	20	..	20	..	
	Peduguvaripalli do. ..	1884 ..	4	4	..	4	..	
	Venkatagirikota	1884 ..	9	9	..	9	..	
	Baireddipalli plantation ..	1884 ..	4	4	..	4	..	
	Melmoyi	1884 ..	1,568	1,568	110	1,458	..	
	Jangalapalle	1884 ..	3,009	..	..	..	..	
	Pattikonda	1893 ..	5,190	5,190	53	5,137	..	
	Musalimadugu extension.	1895 ..	1,875	1,875	..	1,875	..	
	Basavareddipalli A ..	1895 ..	2,170	2,170	700	1,470	..	
	Do. B ..	1895 ..	5,792	5,792	..	5,792	..	
	Alapalli	1895 ..	2,029	2,029	..	2,029	..	
	Nellipatla	1895 ..	7,705	7,134	910	6,224	..	
	Veerlabunda	1895 ..	2,511	2,569	..	2,569	..	
	Thotakanama	1895 ..	4,710	4,710	340	4,370	..	
	Total, Palmanér ..	..	42,550	38,329	2,413	35,916	..	
Gudiyáttam.	Tiruvallam plantation ..	1884 ..	431	431	..	431	..	
	Virinjipuram	1884 ..	260	260	..	260	..	
	Cheyur	1884 ..	130	130	..	130	..	
	Ammundi	1884 ..	160	160	..	160	..	

Area of Forest Tracts protected from Fire during 1902–1903—*cont.*

District.	Forest tracts.	Year in which protection commenced.	Area protected during the previous year.	During dry season of 1903.			Cost during the season.	Remarks.
				Area attempted to be protected.	Fires.	Actually protected.		
1	2	3	4	5	6	7	8	9
			ACS.	ACS.	ACS.	ACS.	RS.	
General protection—*cont.*	*Central Circle*—cont.							
North Arcot—*cont.*	Thandrayagumpta ..	1884 ..	3	3	..	3	..	
	Vikramasi	1884 ..	129	129	..	129	..	
	Pallalakuppam	1892 ..	6,822	6,728	..	6,728	..	
	Do. extensions A and B.	1893 ..	5,883	5,883	..	5,883	..	
Gudiyáttam—*cont.*	Bommanayakanpalaiyam.	1894 ..	913	913	10	903	..	
	Kampasamudram A and B.	1893 ..	1,414	1,414	10	1,404	..	
	Kallapady	1894 ..	6,945	6,945	..	6,945		
	Jangalapalle	1884 ..	..	2,625	..	2,625	..	
	Naickaneri extension ..	1887 ..	1,568	..	..	..	..	
	Synigunta do. ..	1892 ..	2,508	..	..	..	..	
	Total, Gudiyáttam ..	..	27,166	25,621	20	25,601	..	
Vellore ..	Ambúr plantation ...	1884 ..	6	6	..	6	..	
	Vellore	1892 ..	2,333	2,413	340	2,073	..	
	Pallikonda	1892 ..	3,870	3,898	..	3,898	..	
	Nellimalai	1892 ..	2,797	2,797	1	2,796	..	
	Paravamalai	1892 ..	7,078	7,078	..	7,078	..	
	Kilannal plantation ..	1884 ..	150	150	..	150	..	
	Sennaleri	1884 ..	1,675	1,675	..	1,675	..	
	Sattur	1884 ..	750	750	..	750	..	
	Thandappan Thangal ..	1884 ..	1,099	1,099	..	1,099	..	
	Eudivadi	1884 ..	1,565	1,565	..	1,565	..	
	Sholavaram	1884 ..	1,184	1,184	..	1,184	..	
	Do. extension ..	1895 ..	885	885	..	885	..	
	Thandappan Thangal extension	1895 ..	310	310	..	310	..	
	Vannivedu plantation ..	1884 ..	39	39	..	39	..	
	Arkonam do. ..	1884 ..	58	58	..	58	..	
	Gudalur	1884 ..	535	535	..	535	..	
	Ananthapuram	1880 ..	540	540	..	540	..	
	Ammanur	1880 ..	203	203	..	203	..	
	Kolattur	1884 ..	1,729	1,729	..	1,729	..	
	Head Assistant Collector's Office, Arkonam ..	1884 ..	4	4	..	4	..	
	Total, Vellore ..	..	26,810	26,918	341	26,577	..	
Pólúr ..	Arasampettu	1884 ..	12,824	12,824	..	12,824	..	
	Amerdi plantation ..	1884 ..	25	25	..	25	..	
	Patracadu	1881 ..	25,174	25,254	4,973	20,281	..	
	Kappalur	1884 ..	1,504	1,504	50	1,454	..	
	Allialamangalam	1884 ..	10,027	10,027	..	10,027	..	
	Santavasal extension ..	1892 ..	316	331	..	331	..	
	Brahmanakatteri ..	1884 ..	561	561	..	561	..	
	Kodiyalam	1884 ..	243	243	..	243	..	
	Budur	1884 ..	835	835	..	835	..	
	Vengunam	1884 ..	1,288	1,288	..	1,288	..	
	Nambedu	1884 ..	947	947	..	947	..	
	Vishamangalam	1884 ..	1,148	1,148	..	1,148	..	
	Ponnur	1884 ..	1,656	1,656	..	1,656	..	
	Nedungal	1884 ..	2,294	2,298	..	2,298	..	
	Nedungunam	1884 ..	1,697	1,697	1	1,696	..	
	Nambedu extensions A, B and C.	1895 ..	397	397	..	397	..	
	Total, Pólúr ..	..	60,936	61,035	5,024	56,011	..	
	Total, General ..	..	195,272	212,446	8,161	204,285	..	
	Total, North Arcot, Special and General	..	820,919	825,262	56,991	768,271	3,922	
South Arcot—Special protection, Tiruvannámalai.	Annamalai	1878 ..	2,640	2,640	40	2,600	118	
	Kavuthimalai	1878 ..	7,085	7,085	..	7,085	62	
	Tenmalai	1877 ..	31,706	31,706	4,000	27,706		
	Nallapathi	1889 ..	5,094	5,094	..	5,094		
	Pelamaruthur	1889 ..	5,075	5,075	..	5,075	563	
	Paramanandal	1895 ..	1,457	1,517	100	1,417		
	Mudanai	1898 ..	7,046	7,046	..	7,046		

Area of Forest Tracts protected from Fire during 1902–1903—*cont.*

District.	Forest tracts.	Year in which protection commenced.	Area protected during the previous year.	During dry season of 1903.			Cost during the season.	Remarks.
				Area attempted to be protected.	Fires.	Actually protected.		
1	2	3	4	5	6	7	8	9
	Central Circle—cont.		ACS.	ACS.	ACS.	ACS.	RS.	
South Arcot—*cont.*	Valasamalai	1883-84 ..	12,369	12,369	400	11,969	118	
	Nattampalli	1889 ..	7,267	7,270	..	7,270	92	
Special protection, Tiruvannámalai—*cont.*	Perunkolattur-Swamimalai.	1883–84 ..	9,302	9,312	..	9,312	68	
	Chinnasamudram	1900 ..	2,841	2,842	4	2,838	29	
	Damarakadu	1900 ..	5,950	3,764	4	3,760	172	
	Tagarai	1883–84 ..	14,338	14,338	13	14,325	191	
Kallakurchi.	Total, South Arcot ..	..	112,170	110,058	4,561	105,497	1,413	
North Salem—Tiruppattúr range.	Alangayam	1891 ..	2,400	1,254	264	990	64	
	Narasingapuram	1893 ..	1,722	887	22	865	32	
	Kalarapatti	1895 ..	1,840	1,258	8	1,250	49	
	Vellakuttai	1896 ..	620	..	..	...	..	
	Punkulam coupes	1895-96 ..	1,200	1,200	..	1,200	53	
	Mambakkam	1894 ..	1,000	120	..	120	7	
	Andiappanur	1894 ..	1,700	1,480	..	1,480	69	
	Govindapuram	1895 ..	1,955	1,805	136	1,669	39	
	Materakadappa	1896 ..	313	..	..	..	..	
	Singarapet coupe ..	1881 ..	3,461	3,461	1,043	2,418	59	
	Kottur (Elagiri) ..	1885 ..	1,200	1,200	..	1,200	42	
	Onnakarai	1897 ..	3,000	3,000	..	3,000	78	
	Kallavi	..	750	1,230	...	1,230	57	
	Burgur block	1892 ..	(*a*) 1,806	1,806	..	1,806	39	
	Kottur do.	1883 ..	2,350	2,350	5	2,345	44	
	Neralkottai	1893 ..	1,560	1,269	..	1,269	64	
	Maharajagadai	1896 ..	1,626	1,399	..	1,399	77	
	Thogarapalli	1884 ..	750	..	..	..	7	
	Mangalam	1901–1902 ..	310	781	..	781	35	
	Elavambadi	1902–1903 ..	..	482	..	482	13	
	Total, Tiruppattúr range.	..	29,563	24,982	1,478	23,504	821	
Hosúr range.	Melagiri	1885 ..	5,410	5,461	285	5,176	87	
	Kanavoikottapalli ..	1885 ..	737	742	300	442	19	
	Gulhati	1885 ..	3,248	3,248	7	3,241	68	
	Manchi	1885 ..	3,185	3,255	2,500	755	19	
	Kanavanaigasamudram ..	1885 ..	416	416	80	336	17	
	Jowlagiri	1900 ..	3,635	5,160	5	5,155	135	
	Noganur coupe	1900 ..	247	252	..	252	22	
	Total, Hosúr range ..	..	16,878	18,534	3,177	15,357	367	
	Total, North Salem ..	..	46,441	43,516	4,655	38,861	1,188 + (*b*) 57	
South Salem.	Shevaroys South Working Circle new coupe.	1901 ..	..	1,559	200	7,588	146	
	Pannikaradu	1882 ..	6,229	6,229				
	Kurumbapatti old coupes 1—25.	1897 ..						
	Nagaramalai reserve ..	1901 ..						
	Shevaroys East Working Circle new coupe.	1902 ..	470	1,884	..	1,884	116	
	Kapputhu old coupe 1—3.	1897 ..	1,000					
	Vadugampatti	1881 ..	..	1,974	..	1,974	170	
	Morur block of Lokur reserved forest.	1881 ..	799	799	..	799		
	Ammaneri block No. 8 ..	1882 ..	..	252	..	252		
	Pillapalli Kombai No. 7 ..	1882 ..	..	981	..	981		
	Karuvattuparai	1883 ..	..	837	..	837		
	Atúr ghat coupes 1—4 ..	1900 ..	687	1,238	132	1,106		
	Kanjeri block	1882 ..	1,929	1,929	..	1,929		
	Pattimedu old coupe ..	1902 ..	20	20	..	20	40	
	Do. new coupe ..	1902 ..	50	50	..	50		
	Panamadal new coupe ..	1902 ..	50	50	..	50		
	Do. old coupe ..	1902 ..	60	60	..	60		
	Mannur coupe	1902 ..	136	136	35	101		
	Nagalur old coupe ..	1902 ..	60	60	20	40		

(*a*) Revised figure as per form No. 44.

(*b*) Spent in putting out fires.

Area of Forest Tracts protected from Fire during 1902–1903—*cont.*

District.	Forest tracts.	Year in which protection commenced.	Area protected during the previous year.	During dry season of 1903.			Cost during the season.	Remarks.
				Area attempted to be protected.	Fires.	Actually protected.		
1	2	3	4	5	6	7	8	9
	Central Circle—cont.		ACS.	ACS.	ACS.	ACS.	RS.	
South Salem—*cont.*	Harur	1882 ..	1,028	1,575	1,026	549		
	Do. coupe 1 and 2 ..	1902 ..	50	104	22	82		
	Kuriappukombai	1897 ..	181	181	..	181		
	Mallapuram	1882 ..	605	606	..	606		
	Kouramalai old coupes ..	1898 ..	609	609	..	609		
	Mukkanur	1901 ..	960	960	..	960		
	Shevaroys West Working Circle Compartment No. 2.	1902 ..	600	1,201	..	1,201		
	Kouramalai West Working Circle compartment 2.	1902 ..	340	820	..	820	430	
	Chitteri North Working Circle, B. Series.	1902 ..	449	902	..	902		
	Chitteri South-west Working Circle.	1902 ..	450	903	..	903		
	Ponniar Working Circle compartment 2.	1902 ..	240	480	20	460		
	Harur Working Circle coupes 1 and 2 Poyapatti.	1902 ..	108	111	..	111		
	Total, South Salem (General).	..	17,110	26,510	1,455	25,055	902 —(*a*) 54	
Trichinopoly (General)—Musiri range.	Sengattupatti	1885–86 ..	3,000	3,000	..	3,000		These blocks were in former years protected by fire lines and patrols. Since 1893–94 no money has been spent on fire lines.
	Manmalai	1887–88 ..	5,995	6,000	..	6,000		
	T. Kanapadi	1887–88 ..	12,000	12,000	..	12,000		
	Karappan Kadu Thittu ..	1887–88 ..	2,000	2,000	..	2,000		
	Mélúr	1885–86 ..	3,009	3,000	..	3,000		
	V. Kanappadi	1887–88 ..	9,997	10,000	..	10,000		
	Palamalai	1888–89 ..	10,000	10,000	..	10,000		
	Kaliammankoil Thittu ..	1889–90 ..	1,500	1,500	..	1,500		
	Kanappadi Kannimarsolai.	1889–90 ..	2,560	2,560	..	2,560		
	Total, Musiri range ..	..	50,052	58,060	..	50,060	(*b*) 122	
Perambalúr range.	Manalodai	1885–86 ..	5,000	5,000	..	5,000		
	Sholamathi	1885–86 ..	6,000	6,000	..	6,000		
	Selaiyur	1889–90 ..	1,600	1,600	..	1,600		
	Puliyur	1890–91 ..	9,999	10,000	..	10,000		
	Sengathur	1890–91 ..	9,940	10,000	..	10,000		
	Valaiyur	1900–1901.	1,615	1,655	..	1,655		
	Arasadi Arivittu ..	1900–1901.	2,000	3,541	..	3,541		
	Pulambadi No. I	1900–1901.	2,884	2,506	12	2,494		
	Total, Perambalúr range.	..	39,038	40,302	12	40,292	122	
	Total, Trichinopoly (General) ..	..	89,090	90,362	12	90,350	122	
Tanjore ..			*Nil.*					
	Total (Special) Central Circle.	..	801,368	792,900	59,501	733,399	7,428	
	Total (General) Central Circle.	..	792,551	814,048	74,368	739,680	6,209	
	Grand Total, Central Circle.	..	1,593,919	1,606,948	133,869	1,473,079	13,637	
South Canara (Special)—	*Southern Circle.*							
Coondapoor range.	Sarapanamane	1886–87 ..	796	796	25	771	33	
	Savantagadde	1896–97 ..						
	Honnukodlu	1894–95 ..	584	584	..	584	29	
	Herur	1893–94 ..	2,862	2,884	60	2,824	35	
	Talaburane	1895–96 ..	611	611	..	611	27	
	Chittur	1895–96 ..	2,234	2,234	..	2,234	27	
	Kadike	1895–96 ..	2,535	2,735	3	2,732	31	
	Karnigadde	1895–96 ..	1,161	1,161	..	1,161	24	
	Total, Coondapoor range.	..	10,783	11,005	88	10,917	206	

(*a*) Deducted as per Accountant-General's audited figures.

(*b*) The amount paid to Malayalis on the Pachamalais with whom agreements are entered into for keeping the lines clear and preserving the forest safe from fire.

Area of Forest Tracts protected from Fire during 1902-1903—*cont.*

District.	Forest tracts.	Year in which protection commenced.	Area protected during the previous year.	During dry season of 1903.			Cost during the season.	Remarks.
				Area attempted to be protected.	Fires.	Actually protected.		
1	2	3	4	5	6	7	8	9
South Canara (Special)—*cont.*	*Southern Circle*—cont.		ACS.	ACS.	ACS.	ACS.	RS.	
Udipi range.	Chinkramale	1885-86 ..	2,530	2,560	45	2,515	38	
	Tenkahola	1886-87 ..	2,039	2,039	..	2,039	28	
	Mavinakodlu	1895-96 ..	1,627	1,627	..	1,627	34	
	Huvakladi	1895-96 ..	1,274	1,280	..	1,280	29	
	Jatkatmale	1897-98 ..	1,385	1,386	20	1,366	29	
	Durgamale	1897-98 ..	1,567	1,601	39	1,562	22	
	Total, Udipi range ..	..	10,422	10,493	104	10,389	180	
Mangalore range.	Munjimale	1894-95 ..	3,050	3,200	60	3,140	26	
	Todar	1889-90 ..	458	458	38	420	25	
	Hospet	1889-90 ..	370	376	2	374	27	
	Naninjimale	1897-98 ..	1,379	1,459	34	1,425	18	
	Panamberi	1902-1903.	..	640	70	570	18	
	Total, Mangalore range ..	..	5,257	6,133	204	5,929	114	
Uppinangadi range.	Dharmastala	1887-88 ..	4,498	4,998	1,664	3,334	29	
	Porkala	1902-1903.	..	4,558	97	4,461	25	
	Mujur	1901-1902.	10,055	10,106	80	10,026	67	
	Miyar	1901-1902.	17,475	17,533	998	16,535	95	
	Kombar	1901-1902.	9,371	9,396	29	9,367	35	
	Kidu	1901-1902.	6,863	6,414	38	6,376	35	
	Konaji	1901-1902.	6,555	6,632	58	6,574	39	
	Padnur	1902-1903.	..	3,157	102	3,055	32	
	Kuntur	1902-1903.	..	3,945	1	3,944	42	
	Nerankimale	1902-1903.	..	3,960	..	3,960	18	
	Nidle	1902-1903.	..	3,269	..	3,269	7	
	Shibaji	1902-1903.	..	3,456	2,500	956	34	
	Kadimbilla	1902-1903.	..	1,848	1,386	462	22	
	Total, Uppinangadi range.	..	54,317	79,272	6,953	72,319	480	
Puttur range.	Parappa	1896-97 ..	2,550	2,560	100	2,460	32	
	Kanakamajal	1899-1900.	2,249	2,249	95	2,154	32	
	Pumale	1897-98 ..	3,840	3,840	..	3,840	49	
	Jalsur block (felled area).	1900-1901.	5,120.	5,120	..	5,120	14	
	Total, Puttur range ..	..	13,759	13,769	195	13,574	127	
	Total (Special) ..	..	94,538	120,672	7,544	113,128	1,107	
General—								
Coondapoor range.	Sabladi	1884-85 ..	208	208	..	208	6	
	Kasanakatte	1893-94 ..	262	262	..	262	..	
	Harkur	1893-94 ..	858	858	..	858	18	
	Darlegudde	1893-94 ..	168	168	..	168	6	
	Mudaragudde	1893-94 ..	356	356	..	356	13	
	Abbigudde	1897-98 ..	1,434	1,434	..	1,434	..	
	Baindur	1897-98 ..	5,795	5,795	.	5,795	6	
	Total, Coondapoor range..	..	9,081	9,081	..	9,081	49	
Udipi range.	Pilarkan	1883-84 ..	320	320	..	320	..	
	Manaje	1886-87 ..	423	423	..	423	11	
	Jarvattu	1894-95 ..	418	418	..	418	6	
	Hale Someshwar	1895-96 ..	1,895	1,895	10	1,885	10	
	Mensinkan	1896-97 ..	1,008	1,008	3	1,005	6	
	Matkalgudde	1897-98 ..	250	251	..	251	4	
	Total, Udipi range ..	..	4,314	4,315	13	4,302	37	
Uppinangadi.	Shiradi extension ..	1902-03 ..	..	883	..	883	5	
Puttur range.	Virakhamba	1897-98 ..	1,674	1,683	..	1,683	16	
	Kalanjimali	1898-99 ..	2,929	3,049	..	3,049	23	
	Gunadka sheds	1901-1902.	2	2	..	2	2	
	Kilarmale	..	100	100	..	100	..	
	Total ..	..	4,705	4,834	..	4,834	41	
	Total (General) ..	..	18,100	19,113	13	19,100	132	
	Total, South Canara (Special and General).	..	112,638	139,785	7,557	132,228	1,239	

Area of Forest Tracts protected from Fire during 1902-1903—*cont.*

Districts.	Forest tracts.	Year in which protection commenced.	Area protected during the previous year.	During dry season of 1903.			Cost during the season.	Remarks.
				Area attempted to be protected.	Fires.	Actually protected.		
1	2	3	4	5	6	7	8	9
North Malabar—	*Southern Circle*—cont.		ACS.	ACS.	ACS.	ACS.	RS.	
Special ..	Begur	188-832 ..	5,160	7,075	..	7,075	2,353	
	Kurchiyat	1887-88 ..	6,025	9,000	..	9,000	4,298	
	Kanoth plantation ..	1894-95 ..	264	300	..	300	65	
	Total (Special) ..	..	11,449	16,375	..	16,375	6,716	
General ..	Begur	1882 83 ..	12,776	8,291	518	7,773	..	
	Peria	1894-95 ..	6,400	6,400	..	6,400	..	
	Tirunelli	1894-95 ..	5,473	..	..	..	..	
	Mavanhulla	1894-95 ..	12,576	..	..	..	..	
	Rampur	1894-95 ..	18,854	..	..	..	..	
	Kurichyat	1894-95 ..	12,029	..	..	..	..	
	Total (General) ..	..	68,108	14,691	518	14,173	..	
	Total, North Malabar (Special and General).	..	79,557	31,066	518	30,548	6,716	
South Malabar (Special)—								
Nilambúr range.	Amarampalem	1860-61 ..	468	468	..	468	70	
	Chathanborai	1872-73 ..	624	624	..	624	136	
	Teak plantations	1842-43 ..	3,516	3,516	..	3,516	687	
	Edakode natural forests ..	1898-99 ..	400	400	..	400	28	
	Arimbrakuthmala ..	1899-1900.	322	322	..	322	49	
	Total, Nilambúr range.	..	5,330	5,330	..	5,330	970	
Amarampalam range.	Karimpoya	1884-85 ..	3,955	3,955	..	3,955	302	
	Nellikutta	1883-84 ..	1,824	1,824	..	1,824	130	
	New Amarampalam ..	1889-90 ..	75,000	75,000	..	75,000	183	
	Kariem Mariem forests ..	1901-1902.	2,716	2,716	..	2,716	158	
	Total, Amarampalam range.	..	83,495	83,495	..	83,495	773	
Palghat range.	Chenat Nair	1884-85 ..	15,203	15,203	..	15,203	433	
	Tamparattipottai	1891-92 ..	124	124	..	124	15	
	Dhoni	1898-99 ..	45	45	..	45	14	
	Pulliampatti tope reserve.	1900-1901.	20	20	..	20	5	
	Total, Palghat range ..	..	15,392	15,392	..	15,392	467	
	Total, South Malabar (Special).	..	(*a*)104,217	104,217	..	104,217	2,210	
The Nilgiris. (Special)—	Mudumalai teak plantation.	1883 ..	25	25	..	25	..	
	Do. do.	1886 ..	40	40	..	40	..	
	Mudumalai experimental block.	1893 ..	179	179	..	179	528	
	Tuckles of 1896 and 1899.	1899 ..	25	25	..	25	..	
	Margadi block	1888 ..	2,306	2,781	150	2,631	..	
	Marigudi blocks Nos. IV and V.	1898 ..	2,686	2,686	..	2,686	..	
	Moyar reserved forest (east)	1886 ..	3,000	4,000	10	3,990	..	
	Northern Hay sandalwood plantation.	1883 ..	22	22	..	22	455	
	Sandalwood tracts in Sigur reserved forest.	1899 ..	1,240	1,240	..	1,240	..	
	Chemmanguli	1883 ..	25	25	..	25	..	
	Aranakal	1883 ..	9	9	..	9	..	
	Governor's Shola No. I ..	1883 ..	25	25	..	25	..	
	Do. ,, II ..	1883 ..	30	30	..	30	..	
	Andi	1883 ..	17	17	..	17	..	
	Upatti	1883 ..	12	12	..	12	..	
	Sheffield	1883 ..	25	25	..	25	..	
	Culli	1883 ..	17	17	..	17	..	
	Chowghat Culli	1883 ..	26	26	..	26	207	
	Madanahs	1883 ..	8	8	..	8	..	
	Baikie	..	50	50	..	50	..	
	Arambi	..	430	430	..	430	..	
	Marlimund	..	11	11	..	11	..	

(*a*) The area of Walayar transferred to South Coimbatore district is excluded.

Area of Forest Tracts protected from Fire during 1902-1903—*cont.*

Districts.	Forest tracts.	Year in which protection commenced.	Area protected during the previous year.	During dry season of 1903.			Cost during the season.	Remarks.
				Area attempted to be protected.	Fires.	Actually protected.		
1	2	3	4	5	6	7	8	9
	Southern Circle—cont.		ACS.	ACS.	ACS.	ACS.	RS.	
The Nilgiris (Special)—*cont.*	Cairn Hill	..	405	405	..	405	..	
	Muthanad	1898 ..	80	80	..	80	..	
	Kullar reserve	1883 ..	919	919	..	919	..	
	Burliyar	1883 ..	178	178	..	178	..	
	Ghaut reserve	1883 ..	247	247	..	247	..	
	Coonoor peak	1883 ..	259	259	..	259	..	
	Bandishola	1883 ..	111	111	..	111	350	
	Sim's Park block No. I ..	1883 ..	48	48	..	48	..	
	Blackbridge	1883 ..	40	40	..	40	..	
	Little Rallia	1883 ..	10	10	..	10	..	
	Newman	1883 ..	35	35	..	35	..	
	Rallia	1883 ..	60	60	..	60	..	
	Longwood addition ..	1885 ..	350	350	..	350	..	
	Kunjapanai sandalwood area.	1898 ..	640	640	..	640	..	
	Bleak house	1899 ..	57	57	..	57	..	
	Spring field	1899 ..	30	30	..	30	..	
	Sim's Park No. II. ..	1899 ..	36	36	..	36	..	
	Total (Special) ..	..	13,713	15,188	160	15,028	1,540	
General ..	Ulnad	1883 ..	839	839	..	839	..	
	Mukurty	1888 ..	1,324	1,324	..	1,324	..	
	Kurumand	1883 ..	1,552	1,552	..	1,552	..	
	Kundahs	1885 ..	42,505	42,505	..	42,505	..	
	Pichelbettu	1886 ..	1,668	1,668	..	1,668	..	
	Kadkupa	1886 ..	1,622	1,622	..	1,622	..	
	Nanjanad	1893 ..	914	914	..	914	..	
	Karpakan	1886 ..	391	391	..	391	..	
	Vellingiri	1886 ..	643	643	..	643	..	
	Pykara	1893 ..	844	844	..	844	..	
	Yemmakal	1886 ..	465	465	..	465	..	
	Hiriashigai	1887 ..	3,026	3,026	..	3,026	..	
	Thaishola	1885 ..	1,551	1,551	..	1,551	386	
	Muthanad	1883 ..	340	340	..	340	..	
	Bikkapathi	1894 ..	1,945	1,945	..	1,945	..	
	Naduvattam	1885 ..	3,411	3,411	..	3,411	..	
	Ouchterlony	1886 ..	973	973	..	973	..	
	Nilgiri Peak	1886 ..	5,962	5,962	..	5,962	..	
	Chinna Coonoor	1894 ..	14	14	..	14	..	
	Kengal	1894 ..	14	14	..	14	..	
	Kadanad	1895 ..	40	40	..	40	..	
	Huppatti	1895 ..	491	491	..	491	..	
	Kaguchi	1895 ..	475	475	..	475	..	
	Iduhatti	1895 ..	15	15	..	15	..	
	Bathri shola	1884 ..	34	34	..	34	..	
	Dodabetta	1884 ..	758	758	..	758	..	
	Jakuntha	1884 ..	373	373	..	373	..	
	Honnathalai	1884 ..	320	320	..	320	..	
	Keraiyada	1884 ..	276	276	..	276	..	
	Kengadu	1884 ..	451	451	..	451	..	
	Brookland	1884 ..	177	177	..	177	..	
	Lovedale (East)	1884 ..	127	127	..	127	..	
	Benhope reserve	1885 ..	75	75	..	75	..	
	Black bridge	1883 ..	350	350	..	350	..	
	Devashola, north and south.	1883 ..	211	211	..	211	..	
	Jaskal plantation	1902 ..	5	5	..	5	..	
	Total (General) ..	..	74,181	74,181	..	74,181	386	
	Total, The Nilgiris (Special and General).	..	87,894	89,369	160	89,209	1,929	
Coimbatore, North (Special)—	Hassanur sandalwood compartment—Satyamangalam range.	1895-96 ..	2,096	2,140	..	2,140	132	
	Minchiguti Working Circle —Minchiguti range.	1902-1903.	*Nil.*	24,550	4,070	20,480	228	
	Badagalli sandalwood compartment — Talamalai range.	1896-97 ..	44	685	23	662	21	
	Talamalai sandalwood compartment — Talamalai range.	1897-98 ..	582	589	..	589	39	

Area of Forest Tracts protected from Fire during 1902-1903—*cont.*

District.	Forest tracts.	Year in which protection commenced.	Area protected during the previous year.	During dry season of 1903.			Cost during the season.	Remarks.
				Area attempted to be protected.	Fires.	Actually protected.		
1	2	3	4	5	6	7	8	9
	Southern Circle—cont.		ACS.	ACS.	ACS.	ACS.	RS.	
Coimbatore, North—(Special)—*cont.*	Talamalai reserve ..	1901-1902.	49,650	51,200	10,990	40,210	254	
	Bailur sandalwood compartment — Kollegal range.	1895-96 ..	1,726	2,952	..	2,952	206	
	Udaiyárpálaiyam sandalwood compartment—Kollegal range.	1895-96 ...	1,500	1,504	..	1,504	133	
	Jadathadihulla sandalwood compartment—Kollegal range.	1895-96 ..	176	235	..	235	62	
	Total, Coimbatore, North (Special).	..	55,774	83,855	15,083	68,772	1,075	
Coimbatore, South (Special)—								
Tunacadavu and Pollachi.	Tekadi leased forests and portion of Tunacadavu reserve No. I.	1882-83 ..	26,374	26,374	125	26,249	784	
Pollachi ..	Punachi reserve No. II ..	1888-89 ..	2,880	2,880	..	2,880	439	
Udamalpet ..	Dhali block ..	1883-84 ..	485	485	..	485	58	
Mettupálaiyam.	Singaratope Working Circle of Odanthorai block.	1891-92 ..	775	777	..	777	134	
Bolampatti.	Sholakarai.	1883-84 ..	1,151	1,157	51	1,106	..	
	Thenkaradu. (In Bolampatti block I.)		393	393	40	353		
	Keerapatti. (In Bolampatti block I.)		2,235	2,260	20	2,240		
	Oratti .. (In Bolampatti block I.)		1,136	1,136	..	1,136		
	Kuchimalai. (In Bolampatti block I.)		1,445	1,545	..	1,545		
	Noyel .. (In Bolampatti block II.)		10,920	10,920	..	10,920		
	Velliyangiri. (In Bolampatti block II.)		5,236	5,240	50	5,190		
	Varadimudi. (In Bolampatti block II.)		7,938	7,960	..	7,960		
	Kanavarai .. (In Bolampatti block III and portions of blocks II and IV.)	1883-84.	13,741	13,880	55	13,825	1,326	
	Walayar reserve	1873-74 ..	3,017	3,017	..	3,017		
	Total, Coimbatore, South (Special).	..	77,726	78,024	341	77,683	2,741	
General—								
Tunacadavu and Pollachi.	Tunacadavu reserve No. I	..						
Pollachi ..	Punachi reserve No. II.	..	255,270	256,847	200	254,727	..	
Udamalpet ..	Amravati ,, ,, III.	..			1,920			
Tunacadavu, Pollachi and Udamalpet.	Anamalai ,, ,, IV.	..						
Bolampatti.	Bolampatti ,, No. I.	..						
	Do. ,, ,, II.	..			73			
	Do. ,, ,, III.	..						
Bolampatti and Mettupálaiyam.	Tadagam ,, ,, IV.	..						
	Gopanari ,, ,, V.	..	74,569	74,791	..	74,698	..	
Mettupálaiyam.	Kempampalayam reserve No. VI.	..						
	Nellithorai reserve No. VII.	..						
Bolampatti..	Small Sholakarai reserve No. X.	..			20			
	Sankararayapuram reserve	..						
Mettupálaiyam.	Odanthorai reserve No. VIII.	..	5,335	5,335	..	5,335	..	
	Modur reserve No. IX ..	..	5,805	5,805	..	5,805	..	
	Nellimalai reserve ..	..	1,882	1,882	..	1,882	..	

Area of Forest Tracts protected from Fire during 1902-1903—*cont.*

Districts.	Forest tracts.	Year in which protection commenced.	Area protected during the previous year.	During dry season of 1903.			Cost during the season.	Remarks.
				Area attempted to be protected.	Fires.	Actually protected.		
1	2	3	4	5	6	7	8	9
Coimbatore (South)—(General)—*cont.*	*Southern Circle*—cont.		ACS.	ACS.	ACS.	ACS.	RS.	
Udamalpet..	Elayamuthur reserve ..	..	762	762	..	762	..	
	Dhali reserve	..	145	145	..	145	..	
Mettupálaiyam.	Avanashi palmyra tope (*a*)	..	67	67	..	67	..	
	Total, General protection.	..	343,835	345,634	2,213	343,421	..	
	Total, Coimbatore, South, (Special and General).	..	421,561	423,658	2,554	421,104	..	
Madura (Special)	Amburuvi	1886-87 ..	(*b*) 10,771	10,771	..	10,771	96	
	Shengalvarayar	1885-86 ..	(*b*) 4,608	4,608	..	4,608	36	
	Pambar	1883-84 ..	3,859	4,243	775	3,468	48	
	Adukam	1885-86 ..	(*b*) 3,200	3,200	310	2,890	74	
	Poombarai Vilpatti valley.	1884-85-..	16,674	17,594	1,500	16,094	70	
	Karungal Dhoni Medu ..	1885-86 ..	1,964	1,964	50	1,914	..	
	Kookal	1886-87 ..	11,725	11,725	..	11,725	30	
	Kudrayar	1886-87 ..	12,865	13,235	700	12,535	25	
	Perumalmalai	1886-87..	2,032	7,386	320	7,066	115	
	Thogavarai Shola.. ..							
	Thalaiyarkadu							
	Kadamarava							
	Gundan shola plantation..	1886-87 ..	257	257	..	257	57	
	Oliyanuthu Odai.. ..	1888-89 ..	3,802	3,802	100	3,702	..	
	Upper Palni Sholas—							
	Perumalmalai Shola ..	1902-1903.	..	347	..	347	644	
	Anagiri Shola	1902-1903.	..	73	..	73		
	Tiger Shola	1902-1903.	..	1,866	20	1,846		
	Glenfalls Shola	1902-1903.	..	36	..	36		
	Parappar	1902-1903.	..	55	..	55		
	Nettle	1902-1903.	..	16	3	13		
	Kalrankavai	1902-1903.	..	52	..	52		
	Gundar	1902-1903.	..	438	..	438		
	Manavarthan	1902-1903.	..	56	..	56		
	Pannitulam	1902-1903.	..	16	..	16		
	Kundukadu	1902-1903.	..	332	..	332	644	
	Gundar valley	1902-1903.	..	3,988	..	3,988		
	Tulkadu	1902-1903.	..	268	..	268		
	Kuttukalpadu	1902-1903.	..	36	..	36		
	Kilavarai	1902-1903.	..	36	..	36		
	Chandanur	1902-1903.	..	440	..	440		
	Pookkadu	1902-1903.	..	242	..	242		
	Swamikanal	1902-1903.	..	1,548	40	1,508		
	Kilanvayal	1902-1903.	..	568	..	568		
	Alagar Hill	1882-83 ..	16,838	16,838	..	16,838	365	
	Total, Madura—(Special).	..	88,595	106,036	3,818	102,218	1,560 + (*c*) 20	
							1,580	
Tinnevelly (Special)—Srivilliputtúr.	Aiyanarkovil Working Circle.	1902 ..	886	4,722	537	4,185	310	
Sankaranáyinárkóyil.	Karupasamikoyil Working Circle.	1902 ..	920	6,155	2	6,153	134	
Tenkási ..	Kadayanallur Working Circle.	1902 ..	452	2,288	239	2,049	140	
	Kuttalam Working Circle.	1902 ..	604	2,644	39	2,605	50	
Ambásamudram.	Koilteri do.	1902 ..	589	2,656	..	2,656	134	
	Padirmalai do.	1902 ..	810	3,045	220	2,825	128	
Nángunéri ..	Kalakad do.	1902 ..	969	2,918	44	2,874	296	
	Tirukarungudi do.	1902 ..	208	2,538	3	2,535	147	
	Total (Special) ..	..	(*c*) 5,438	26,966	1,084	25,882	1,339 −(*d*)420	

(*a*) This was not shown in the previous year's return. (*b*) Reported by the Collector to be the correct area.
(*c*) The discrepancy between the closing balance of the previous year's return and the opening balance of this year's return has not been explained.
(*d*) Deducted as per Accountant-General's audited figures. (*e*) Cost of putting out fire.

Area of Forest Tracts protected from Fire during 1902-1903—*cont.*

District.	Forest tracts.	Year in which protection commenced.	Area protected during the previous year.	During dry season of 1903.			Cost during the season.	Remarks.
				Area attempted to be protected.	Fires.	Actually protected.		
1	2	3	4	5	6	7	8	9
Tinnevelly—*cont.*	*Southern Circle*—cont.		ACS.	ACS.	ACS.	ACS.	RS.	
General.								
Srívilliputtúr.	Ghaut forests V and V (*a*).	1902 ..	*41,423	38,783	5,693	33,090	71	
Sankaranayinárkóyil.	Do. IV and IV(*a*).	1902 ..	24,647	20,379	922	19,457	183	
Tenkási ..	Ghaut forests III, III (*a*) (*b*), (*c*) (c_2), (*d*), extension Nos. 1 to 3.	1902 ..	24,363	21,502	3,022	18,480	171	
Ambásamudram.	Ghaut forests II and II (*b*)	1902 ..	87,091	84,558	7,309	77,249	133	
Nángunéri ..	Ghaut forests I and I (*a*) Teak track Mahendragiri and Vannamutti.	1902 ..	51,597	45,981	5,155	40,826	237	
	Total, General ..	..	229,121	211,203	22,101	189,102	795	
	Total, Tinnevelly, Special and General.	..	234,559	238,169	23,185	214,984	2,134	
	Total, Southern Circle—							
	(Special) protection ..	..	451,450	551,333	28,030	523,303	17,888	
	(General) protection ..	..	733,345	664,822	24,845	639,977	1,398	
	Grand Total, Southern Circle.	..	1,184,795	1,216,155	52,875	1,163,280	19,286	
	Total, Presidency—							
	(Special) protection ..	..	1,448,741	1,556,308	132,298	1,424,010	30,711	
	(General) protection ..	..	2,007,466	1,992,588	196,649	1,795,939	10,331	
	Grand Total, Presidency.	..	3,456,207	3,548,896	328,947	3,219,949	41,042	

* The discrepancy between the closing balance of the previous year's return and the opening balance of this year's return has not been explained.

ANNUAL FORM No. 52.

Forest Department, Madras Presidency.

AREA closed and open to grazing during 1902–1903.

District.	Area in square miles.						
	Closed to all animals.		Closed to both goats and sheep.		Area closed to goats only.	Open to all animals.	Total forest area as per Form No. 44.
	Whole year.	Part of year.	Whole year.	Part of year.		Whole year.	
1	2	3	4	5	6	7	8
Northern Circle.	SQ. MLS.	SQ. MLS.	SQ. MLS.		SQ. MLS.	SQ. MLS.	SQ. MLS.
Ganjám	60	..	..	..	538	..	536 2
Vizagapatam	5	..	298 47	..	..	..	298 47
Gódávari	37 75	..	201	..	748 75	3	952 75
Kistna	207 3	..	..	..	786 21	171 25	957 46
Kurnool	105	..	..	..	2,665	11	2,333 343
Bellary	34	..	..	..	547	89	571 65
Anantapur	29	..	29	..	481	..	510
Total, Northern Circle ..	555	..	575	..	5,861	299	6,157 578
Central Circle.							
Cuddapah	12	5	2,304	..	..	69	2,216 157
Nellore	155	..	..	..	676	72	739 9
Chingleput	43	..	..	..	213	1	214
North Arcot	166	9	..	..	1,290	1	1,291
South Arcot	14	7	..	..	663	..	663
North Salem	68	..	..	..	880	44	813 111
South Salem	32	..	..	..	728	7	695 40
Trichinopoly	33	..	..	..	296 19	..	296 19
Tanjore	2	..	..	..	19	..	19
Total, Central Circle ..	525	21	2,304	..	4,784	194	6,946 336
Southern Circle.							
South Canara	15 1	..	..	..	662 409	..	662 409
North Malabar	28	..	..	..	..	231 4	231 4
South Malabar	266	..	266	..	..	..	218 48
The Nilgiris	5 10	..	..	..	403 95	..	403 95
North Coimbatore	80	..	..	..	1,640	(a) 10	1,333 317
South Coimbatore	22	..	..	..	662	..	662
Madura	109	1	..	..	560	59	609 10
Tinnevelly	251	28	..	..	279	158	436 1
Total, Southern Circle ..	787	29	266	..	4,710	462	4,554 884
Grand Total, Presidency ..	1,867	50	3,145	..	15,355	955	19,455
1901–1902 ..	1,727	492	797	..	17,375	1,394	19,566

(a) Closed from 1st April 1903.

N.B.—The totals of columns 4, 6 and 7 equal column 8. The figures in columns 6 and 4 include the figures in columns 2 and 3. Of the figures in brackets the upper one denotes the area of reserved forests and the lower one the area of reserved lands.

FORM No. 53.

RETURN of Grazing in the State Forests of the Madras Presidency during 1902–1903.

FORM

RETURN of Grazing in the State Forests of the

(a) *Reserved forests notified under*

Districts.	Grazing on payment. Number of animals.									
	At enhanced rates.					At full rates.				
	Buffaloes.	Cows and bullocks.	Goats and sheep.	Other animals.	Fees received.	Buffaloes.	Cows and bullocks.	Goats and sheep.	Other animals.	Fees received.
Northern Circle.					Rs.					Rs.
Ganjám	..	..	..	..	..	10,536	46,955	859	..	12,836
Vizagapatam	94	2,805	524	..	814	1,154	19,779	873	..	4,223
Gódávari	(a) 9,103 (b) 983 (g) 1,984	(a) 20,958 (b) 290 (g) 7,959	(a) 1,402 ..	..	10,054 1,121 2,982	3,497	16,658	(d) 2,205 511	..	(f) 3,124 274
Kistna	(h) 313 (j) 2,766 (k) 1,082	(h) 209 (i) 1,152 (j) 23,304 (k)26,428	.. (k and d) 37,380 248	.. ..	261 1,152 13,727 19,506	21,027	45,583	(d)184,315 102,234	18	43,299
Kurnool	3,750	64,498	9,575	3	19,197	..	..	..	..	..
Bellary	..	..	..	..	..	14,027	58,731	255,177	..	40,195
Anantapur	..	..	..	..	..	3,458	50,674	(d) 95,878 147	2	19,801
Total, Northern Circle	20,075	147,603	49,129	3	68,814	53,699	238,380	642,199	20	1,23,752
Central Circle.										
Cuddapah (s)	..	..	..	..	..	3,995	108,465	151,334	..	36,549
Nellore	..	..	..	..	..	11,954	91,322	167,407	..	39,960
Chingleput	..	..	..	..	..	2,766	33,561	49,407	2	23,924
North Arcot	..	..	..	..	..	2,056	96,870	89,808	..	27,356
South Arcot	..	(n) 19,512	..	..	4,878	4,136	108,484	147,602	..	35,729
North Salem	..	..	..	..	..	2,594	112,939	27,512	1	30,982 (r) 271
South Salem	..	..	..	..	..	1,819	107,212	(d) 36,273 405	..	24,396
Trichinopoly	..	..	..	..	..	871	28,137	103,048	..	15,263
Tanjore	..	..	..	..	..	516	3,674	4,709	30	1,329
Total, Central Circle	..	19,512	..	..	4,878	30,707	690,664	777,505	33	2,35,759
Southern Circle.										
South Canara	..	..	..	..	..	2,099	15,711	..	1	3,733
North Malabar	..	..	..	..	..	3,391	7,536	..	..	(s) 2,790
South Malabar	..	..	..	..	..	..	22	9	..	5
The Nilgiris (u)	..	..	..	..	..	11,692	21,722	514	12	8,981
North Coimbatore	7,039	12?,600	28,830	..	37,773	168	3,927	7,437	..	1,497
South Coimbatore	..	..	..	..	..	667	40,813	(d) 8,278	8	8,704
Madura	..	..	..	..	..	190	39,482	(d) 15,672 30,817	11 horses.	(v)20,963
Tinnevelly	..	..	..	..	..	172	12,122	(d) 18,027	..	4,056
Total, Southern Circle	7,039	122,600	28,830	..	37,773	18,379	141,335	80,754	32	50,729
Grand Total, Reserved Forest, Presidency	27,114	289,715	77,959	3	1,11,465	102,785	1,070,379	1,500,458	85	4,10,240

(a) The enhanced rates levied were As. 8 per buffalo, As. 4 per cow or bull and As. 3 per goat.
(c) Privileged rates levied were As. 2 per buffalo, 1 anna per cow or bullock and 6 pies per sheep or goat.
(f) Out of this amount, Rs. 97 was realized by the sale of fodder grass and by leasing the right of collecting grazing fees.
(h) Enhanced rates of As. 8 per buffalo and As. 8 per cow or bullock. (i) Plough bullocks at 1 rupee each.
(k) Double rates at As. 12 per buffalo, As. 6 per bull or cow and As. 3 as per goat or sheep.
(m) The rates levied were As. 1–6 per cow or bullock and 9 pies per sheep.
(o) Cows allowed to graze in a second block on payment of a reduced fee of 1 anna in addition to the original fee of As. 3.
(q) Represents the cattle admitted free in the Tiruvannámalai range for the Malayalis on the hills.
(t) Daily rate for the cattle of the Mysore namadie tribes at As. 3 per 100 *per diem*.
(v) Includes Rs. 1,332 collected as impounding fees.

No. 53.

Madras Presidency during 1902–1903.

section 16 *of the Forest Act.*

Grazing free. Number of animals.																
At privileged rates.						By right under settlement.					During pleasure of Government or otherwise than under settlement.					
Buffaloes.	Cows and bullocks.	Goats and sheep.	Other animals.	Fees received. Actual.	Fees received. Value at full rates.	Buffaloes.	Cows and bullocks.	Goats and sheep.	Other animals.	Value of fees at full rates.	Buffaloes.	Cows and bullocks.	Goats and sheep.	Other animals.	Value of fees at full rates.	Total value of fees at full rates for animals grazed free.	Grand total of value at full and enhanced rates.
				Rs.	Rs.					Rs.					Rs.	Rs.	Rs.
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	12,836
..	..	..	..	..	..	..	200	..	..	38	..	130	..	..	24	62	5,099
(c) 2,237	(c) 12,428	(c) 7,597	..	1,294	3,881	..	..	..	..	..	952	2,857	..	..	892	892	21,263
(e) 944	(e) 8,669	..	..	601	1,917												
..	..	..	..	..	..	..	..	..	..	..	22	67	611	..	78	78	81,005
..	..	..	..	..	..	..	2,485	5,505	..	1,309	..	..	..	..	..	1,309	20,506
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	40,195
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	19,801
3,181	21,097	7,597	..	1,895	5,798	..	2,685	5,505	..	1,347	974	3,054	611	..	994	2,341	2,00,705
..	(l) 99 (m) 77	(d and l) 200 (d and m) 257	..	44	76	..	1,900	..	..	356	..	..	..	..	..	356	36,981
9	1,832	..	..	230	347	..	..	..	..	..	..	..	..	..	..	..	40,307
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	23,924
..	..	..	..	..	..	..	..	..	..	..	403	1,930	..	..	513	513	27,869
..	(o) 1,082	(p and d) 613	..	351	656	..	..	..	..	..	(q) 1,491	4,496	373	..	1,437	1,437	42,700
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	31,253
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	24,396
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	15,263
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1,329
9	3,090	1,070	..	625	1,079	..	1,900	..	..	356	1,894	6,426	373	..	1,950	2,306	2,44,022
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	3,733
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2,790
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	5
..	(t) 1,840	..	..	26	920	..	..	..	..	..	..	..	..	..	..	..	9,901
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	39,270
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	8,704
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	20,963
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	4,056
..	1,840	..	..	26	920	..	..	..	..	..	..	..	..	..	..	..	89,422
3,190	26,027	8,667	..	2,546	7,797	..	4,585	5,505	..	1,703	2,868	9,480	984	..	2,944	4,647	5,34,149

(*b*) The enhanced rates levied were As. 8 per buffalo, As. 4 per cow or bull and As. 3 per goat.
(*d*) Sheep. (*e*) Privileged rates at 1 anna per buffalo, 1 anna per cow or bull and 6 pies per sheep or goat.
(*g*) Enhanced rate of As. 8 per buffalo, As. 4 per cow or bull As. 2 per goat or sheep.
(*j*) Enhanced rates at As. 12 per buffalo, As. 8 per cow or bull and As. 3 per goat or sheep.
(*l*) The rates levied were As. 2 per cow or bullock and 1 anna per sheep.
(*n*) The enhanced rate of As. 4 per cow was levied on foreign cattle.
(*p*) Sheep allowed to graze in a second block, 116 at 1 anna extra and 497 at 6 pies extra.
(*r*) Amount realized by license fees and sale of grass. (*s*) Includes Rs. 105 paid for grazing contract.
(*u*) Eight annas are charged for foreign cows, bulls, &c., 1 rupee for foreign buffaloes and 4 annas for foreign sheep and goat.
(*z*) The distinction of reserved forests and reserved lands was not made in the issue of licenses for grazing.

FORM

Return of Grazing in the State Reserved lands of the

Districts.	Grazing on payment. Number of animals.									
	At enhanced rates.					At full rates.				
	Buffaloes.	Cows and bullocks.	Goats and sheep.	Other animals.	Fees received.	Buffaloes.	Cows and bullocks.	Goats and sheep.	Other animals.	Fees received.
Northern Circle.					RS.					RS.
Ganjám	..	..	..	..	..	387	1,070	185	..	363
Gódávari	(a) 52	(a) 60	..	..	41	5,307	12,191	..	..	(b) 3,822
Kurnool	..	..	..	..	..	7,207	58,109	(c) 1,11,788	..	24,250
Bellary (d)	..	..	..	..	..	145	1,702	2,215	..	581
Total, Northern Circle ..	52	60	..	..	41	13,046	73,072	1,14,188	..	29,016
Central Circle.										
Nellore	..	..	..	..	..	1,322	2,212	2,940	..	1,186
Trichinopoly	..	..	..	..	..	..	1,491	9,063	..	(c) 119 1,129
Total, Central Circle ..	..	..	..	..	..	1,322	3,703	12,003	..	2,434
Southern Circle.										
South Canara	..	..	..	..	..	228	2,032	..	..	467
The Nilgiris	..	..	..	..	..	..	24	..	..	12
North Coimbatore	707	25,395	242	..	6,733	..	..	..	..	..
Total, Southern Circle ..	707	25,395	242	..	6,733	228	2,056	..	..	479
Grand Total, Presidency ..	759	25,455	242	..	6,774	14,596	78,831	1,26,191	..	31,929

(a) The enhanced rates charged were As. 8 per buffalo, As. 4 per cow or bull and As. 3 per goat.
(b) Sheep. (d) Includes leased forest.

No. 53—*cont.*

Madras Presidency during 1902–1903—*cont.*

At privileged rates.						Grazing free. Number of animals.										Grand total of value at full and enhanced rates.
				Fees received.		By right under settlement.					During pleasure of Government or otherwise than under settlement.					
Buffaloes.	Cows and bullocks.	Goats and sheep.	Other animals.	Actual.	Value at full rates.	Buffaloes.	Cows and bullocks.	Goats and sheep.	Other animals.	Value of fees at full rates.	Buffaloes.	Cows and bullocks.	Goats and sheep.	Other animals.	Value of fees at full rates.	Total value of fees at full rates.	
				RS.	RS.					RS.					RS.	RS.	RS.
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	363
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	3,863
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	24,250
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	581
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	29,057
} ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1,305
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1,129
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2,434
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	467
..	..	..	..	..	..	2,333	..	..	..	875	..	..	..	..	..	875	887
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	6,733
..	..	..	..	..	..	2,333	..	..	..	875	..	..	..	..	..	875	8,087
..	..	..	..	..	..	2,333	..	..	..	875	..	..	..	..	..	875	39,578

(*b*) Includes Rs. 971 being the amount realized by the sale of pasture land, etc.
(*c*) Realized by the sale of head loads of grass.

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ANNUAL FORM NO. 54.

Forest Department, Madras Presidency.

AREA of Plantations, Cultural Operations and Topes, 1902-1903.

District.		Number of plantations and topes.	Area in acres.				Receipts.	Charges.
			On 1st July 1902.	Added during the year.	Excluded during the year.	Area on 30th June 1903.	Of the year.	
1		2	3	4	5	6	7	8
			A. Regular Plantations.					
							RS.	RS.
Northern Circle.	Ganjám	1	348	..	..	348	292	90
	Gódávari	3	* 1,099	..	..	1,099	379	5,267
	Kistna	16	1,985	39	17	2,007	1,175	2,245
	Total, Northern Circle ..	20	3,432	39	17	3,454	1,846	7,602
Central Circle.	Cuddapah	8	2,100	..	..	2,100	169	467
	Nellore	13	5,759	895	..	6,654	27,177	13,792
	Chingleput	..	† 222	..	..	222	50	—(a) 5,132
	North Arcot	7	1,175	..	..	1,175	4,536	122
	South do.	11	5,171	..	..	5,171	8,012	751
	South Salem	2	..	6	..	6	..	1,941
	Tanjore	4	539	..	..	539	2,595	4
	Total, Central Circle ..	45	14,966	901	..	15,867	42,539	969
								12,914
Southern Circle.	South Canara	2	122	..	..	122	370	144
	North Malabar	..	402	80	..	482	..	417
	South do.	23	5,041	121	..	5,162	24,169	+(a) 1,203
	The Nilgiris	22	1,645	..	..	1,645	17,386	10,376
	South Coimbatore	8	30	..	..	30	..	13,678
	Madura	5	275	..	..	275	..	—(a) 13,678
								+(a) 261
	Total, Southern Circle ..	60	7,515	201	..	7,716	41,925	..
								12,401
	Grand Total, Regular Plantations, Presidency.	125	25,913	1,141	17	27,037	86,310	32,917
			B. Cultural Operations.					
Northern Circle.	Ganjám	..	302	..	..	302	141	110
	Kistna	..	35	..	..	35	17	397
	Kurnool	..	..	..	..	..	..	59
	Bellary	..	173	5	25	153	..	829
	Anantapur	..	106	22	..	128	..	214
	Total, Northern Circle ..	..	616	27	25	618	158	1,609
Central Circle.	Cuddapah	..	597	..	..	597	..	228
	Nellore	..	865	639	376	1,128	..	..
	Chingleput	..	23	15	..	38	..	..
	North Arcot	..	585	..	..	585	..	50
	Trichinopoly	..	24 MLS. 91	6	..	30 MLS. 91	838	25
	Tanjore	..	1,161	..	..	1,161	275	19
	Total, Central Circle ..	..	3,255 MLS. 91	660	376	3,539 MLS. 91	1,113	322
Southern Circle.	The Nilgiris	..	488	..	..	488	..	4,224
	South Coimbatore	..	18	7	..	25	..	..
	Tinnevelly	..	5,608	..	..	5,608	1	386
	Total, Southern Circle ..	..	6,114	7	..	6,121	1	4,610
	Grand Total, Cultural Operations, Presidency.	..	9,985 MLS. 91	694	401	10,278 MLS. 91	1,272	6,541

* Reported to be the correct area.

† The closing balance in column 6 of the previous year's return is entered as 122. The variation has not been explained.

(a) Added or deducted as per Accountant-General's audited figures.

Area of Plantations, Cultural Operations and Topes, 1902–1903—*cont.*

District.	Number of plantations and topes.	Area in acres.				Receipts.	Charges.
		On 1st July 1902.	Added during the year.	Excluded during the year.	Area on 30th June 1903.	Of the year.	
1	2	3	4	5	6	7	8
				C. Topes.			
						Rs.	Rs.
Northern Circle. Ganjám	7	101	..	..	101	17	+(a) 72
Vizagapatam	2	78	..	..	78	..	253
Kistna	14	136	..	..	136	27	100
Kurnool	27	199	..	..	199	..	+ (a) 86
Bellary	30	212	..	..	212	..	..
Anantapur	905	2,885	..	..	2,885	..	66
Total, Northern Circle ..	985	3,611	..	..	3,611	44	..
							577
Central Circle. Cuddapah	24	3,378	..	* 247	3,131	753	830
Nellore	112	1,776	..	..	1,776	833	—(a) 451
Chingleput	17	227	..	183	44	187	..
North Arcot	50	1,455	..	..	1,455	279	420
South do.	62	434	..	..	434	21	611
North Salem	65	923	..	5	918	597	..
South do.	59	665	2	..	667	618	—(a) 5
Trichinopoly	19	573	..	..	573	568	544
Total, Central Circle ..	408	9,431	2	435	8,998	3,856	—(a) 446
							2,579
Southern Circle. North Malabar	..	56	..	..	56	105	96
South do.	1	20	..	..	20	..	+(a) 980
North Coimbatore	3	† 209	..	..	209	..	74
Tinnevelly	8	44	..	..	44	..	..
Total, Southern Circle ..	12	329	..	..	329	105	+(a) 115
							..
Grand Total, Topes, Presidency ..	1,405	13,371	2	435	12,938	4,005	+(a) 2
							194
							3,347
Northern Circle, Regular Plantations, Cultural operations and Topes ..	1,005	7,659	66	42	7,683	2,048	(c) 9,788
Central Circle, Regular Plantations, Cultural operations and Topes ..	453	27,652 MLS. 91	1,563	811	28,404 MLS. 91	47,508	15,815
Southern Circle, Regular Plantations, Cultural operations and Topes ..	72	13,958	208	..	14,166	42,031	(b) 17,202
Grand Total, Presidency	1,530	49,269 MLS. 91	1,837	853	50,253 MLS. 91	91,587	42,805

* Transferred to reserved forests after rectifying the areas.
† The area of one of these topes is reported to be not known.

(a) Added or deducted as per Accountant-General's audited figures.
(b) Besides Rs. 128 was spent under direction A-VIII (e).
(c) Besides Rs. 432 was spent under direction A-VIII (e).

Form No. 55.

Forest Department, Madras Presidency.

Outturn (in cubic feet solid) of Timber and Fuel during the year 1902–1903, and Agency of Exploitation.

District.	Timber.					Fuel.					Total.	Bamboos.				
	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Outturn.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
Northern Circle.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	NO.	NO.	NO.	NO.	NO.
Ganjám.																
Reserved forests—																
Sál	2,509	720	..	..	3,229	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous	22,116	71,914	8,650	..	102,680	..	..	..	..	..	..	..	..	..	..	..
Total ..	24,625	72,634	8,650	..	105,909	6,264	552,987	..	..	559,251	665,160	276,340	1,725,655	84,900	..	2,086,895
Unreserved lands—																
Sál	13,027	..	..	..	13,027	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous	20,934	141,042	5,450	..	167,426	..	..	..	..	..	..	..	..	..	..	..
Total ..	33,961	141,042	5,450	..	180,453	..	42,352	..	..	42,352	222,805	..	5,905	5,700	..	11,605
Grand Total ..	58,586	213,676	14,100	..	286,362	6,264	595,339	..	..	601,603	887,965	276,340	1,731,560	90,600	..	2,098,500
Vizagapatam.																
Reserved forests—																
Miscellaneous	2,181	45,071	..	..	47,252	148,712	216,694	..	..	365,406	412,658	250	1,010,600	..	..	1,010,850
Unreserved lands—																
Miscellaneous	550	24,616	..	..	25,166	23,540	6,307	..	..	29,847	55,013	800	6,150	..	..	6,950
Grand Total ..	2,731	69,687	..	..	72,418	172,252	223,001	..	..	395,253	467,671	1,050	1,016,750	..	..	1,017,800
Gódávari.																
Reserved forests—																
Teak	..	..	210	..	210	..	..	..	..	..	..	..	..	..	..	..
Ironwood	..	576	..	..	576	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous	1,973	73,577	1,560	..	77,110	..	..	..	..	..	..	..	..	..	..	..
Total ..	1,973	74,153	1,770	..	77,896	220,004	398,451	..	..	618,455	696,351	..	4,135,835	4,150	..	4,139,985

Outturn (in cubic feet solid) of Timber and Fuel during the year 1902-1903, and Agency of Exploitation—*cont.*

District.	Timber.					Fuel.					Total.	Bamboos.				
	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Outturn.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
NORTHERN CIRCLE—*cont.*	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	NO.	NO.	NO.	NO.	NO.
Gódávari—cont.																
Unreserved lands—																
Teak	..	9,215	..	..	9,215	..	..	..	..	..	..	..	..	..	..	..
Ironwood	1,036	27	..	..	1,063	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous	25	331,662	3,780	..	335,467	..	..	..	..	..	..	..	..	..	..	..
Total ..	1,061	340,904	3,780	..	345,745	42,135	218,373	..	..	260,508	606,253	..	4,521,427	..	..	4,521,427
Grand Total ..	3,034	415,057	5,550	..	423,641	262,139	616,824	..	..	878,963	1,302,604	..	8,657,262	4,150	..	8,661,412
Kistna.																
Reserved forests—																
Miscellaneous	911	193,186	..	..	194,097	64,413	478,791	..	..	543,204	737,301	360	283,420	..	..	283,780
Reserved lands—																
Miscellaneous	..	1,068	..	..	1,068	..	2,243	..	..	2,243	3,311	..	..	..	..	..
Unreserved lands—																
Miscellaneous	635	172,672	3,445	..	176,752	..	24,132	..	..	24,132	200,884	..	80	..	..	80
Grand Total ..	1,546	366,926	3,445	..	371,917	64,413	505,166	..	..	569,579	941,496	360	283,500	..	..	283,860
Kurnool.																
Reserved forests—																
Teak	6	..	..	..	6	..	..	..	..	..	..	..	..	..	..	..
Vengai	6,311	..	..	..	6,311	..	..	..	..	..	..	..	..	..	..	..
Terminalia tomentosa	3,263	..	..	..	3,263	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous	7,733	175,602	140	1,311	184,786	..	..	..	..	..	..	..	..	..	..	..
Total ..	17,313	175,602	140	1,311	194,366	1,546,258	282,358	..	257,510	2,086,126	2,280,492	2,250	4,387,062	9,000	20,489	4,418,801
Reserved lands—																
Miscellaneous	..	8,280	..	..	8,280	..	37,338	..	..	37,338	45,618	..	..	..	..	..
Unreserved lands—																
Miscellaneous	..	1,502	354	..	1,856	19,054	136,614	..	..	155,665	157,521	..	..	..	..	..
Grand Total ..	17,313	185,384	494	1,311	204,502	1,565,312	456,307	..	257,510	2,279,129	2,483,631	2,250	4,387,062	9,000	20,489	4,418,801

Outturn (in cubic feet solid) of Timber and Fuel during the year 1902–1903, and Agency of Exploitation—*cont.*

District.	Timber.					Fuel.					Total.	Bamboos.				
	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Outturn.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
NORTHERN CIRCLE—*cont.*	C. FT.	C. FT.	C. FT.	C. FT	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	NO.	NO.	NO.	NO.	NO.
Bellary.																
Reserved forests—																
Miscellaneous	..	..	..	..	..	..	4,360	..	..	4,360	4,360	..	1,550	200	..	1,750
Reserved lands—																
Teak	1,526	..	..	..	1,526	..	..	..	..	..	..	..	..	..	..	..
Sandalwood	124	..	..	..	124	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous	62,850	4,840	..	..	67,690	..	..	..	..	..	..	..	..	..	..	..
Total ..	64,500	4,840	..	..	69,340	255,950	46,003	..	..	301,953	371,293	1,100	102,274	..	..	103,374
Unreserved lands—																
Miscellaneous	..	173,446	1,689	..	175,135	..	206,677	..	..	206,677	381,812	..	..	..	..	..
Grand Total ..	64,500	178,286	1,689	..	244,475	255,950	257,040	..	..	512,990	757,465	1,100	103,824	200	..	105,124
Anantapur.																
Reserved forests—																
Miscellaneous	..	28,115	990	..	29,105	5,730	95,465	..	..	101,195	130,300	..	18,020	..	..	18,020
Unreserved lands—																
Miscellaneous	..	17,675	..	..	17,675	..	78,122	..	..	78,122	95,797	..	..	..	..	..
Grand Total ..	..	45,790	990	..	46,780	5,730	173,587	..	..	179,317	226,097	..	18,020	..	..	18,020
CENTRAL CIRCLE.																
Cuddapah.																
Reserved forests—																
Rose wood	5,768	..	..	..	5,768	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous	1,945	66,415	3,080	..	71,440	..	..	..	..	..	..	..	..	..	..	..
Total ..	7,713	66,415	3,080	..	77,208	155,760	249,234	..	..	404,994	482,202	..	1,277,610	15,400	..	1,293,010
Unreserved lands—																
Miscellaneous	..	74,202	..	..	74,202	..	186,523	..	..	186,523	260,725	..	1,820	..	..	1,820
Grand Total ..	7,713	140,617	3,080	..	151,410	155,760	435,757	..	..	591,517	742,927	..	1,279,430	15,400	..	1,294,830

Outturn (in cubic feet solid) of Timber and Fuel during the year 1901-1902, and Agency of Exploitation—*cont.*

District.	Timber.					Fuel.					Total.	Bamboos.				
	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Outturn.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
CENTRAL CIRCLE—*cont.*	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	NO.	NO.	NO.	NO.	NO.
Nellore.																
Reserved forests—																
Miscellaneous	1,417	7,418	1,610	..	10,445	370,789	284,925	..	..	655,714	666,159	..	11,060	..	..	11,060
Reserved lands—																
Miscellaneous	..	750	..	..	750	..	..	..	..	..	750	..	..	..	..	..
Unreserved lands—																
Miscellaneous	..	55,795	8,770	..	64,565	..	35,395	..	..	35,395	99,960	..	..	..	..	..
Grand Total ..	1,417	63,963	10,380	..	75,760	370,789	320,320	..	..	691,109	766,869	..	11,060	..	..	11,060
Ohingleput.																
Reserved forests—																
Miscellaneous	..	..	..	..	..	18,568	42,440	..	..	61,008	61,008	..	182	..	..	182
Unreserved lands—																
Miscellaneous	..	45,048	..	..	45,048	33,984	134,634	..	..	168,618	213,666	..	3,298	..	..	3,298
Grand Total ..	..	45,048	..	..	45,048	52,552	177,074	..	..	229,626	274,674	..	3,480	..	..	3,480
North Arcot.																
Reserved forests—																
Sandalwood	269	..	..	..	269	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous	2,681	8,978	40	..	11,699	..	..	..	..	..	..	..	..	..	..	..
Total ..	2,950	8,978	40	..	11,968	73,590	896,900	380	..	970,870	982,838	..	3,681,229	200	..	3,681,429
Unreserved lands—																
Miscellaneous	..	27,300	200	..	27,500	..	389,480	..	..	389,480	416,980	..	..	..	..	..
Grand Total ..	2,950	36,278	240	..	39,468	73,590	1,286,380	380	..	1,360,350	1,399,818	..	3,681,229	200	..	3,681,429

Outturn (in cubic feet solid) of Timber and Fuel during the year 1902–1903, and Agency of Exploitation—*cont.*

District.	Timber.					Fuel.					Total.	Bamboos.				
	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Outturn.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
CENTRAL CIRCLE—*cont.*	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	NO.	NO.	NO.	NO.	NO.
South Arcot.																
Reserved forests—																
Sandalwood	10	..	..	..	10	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous	..	2,888	..	..	2,888	..	..	..	..	..	..	..	..	..	..	..
Total ..	10	2,888	..	..	2,898	16,459	210,944	400	..	227,803	230,701	362	68,070	..	..	68,432
Unreserved lands—																
Miscellaneous	..	..	116	..	116	40	432,874	556	..	433,470	433,586	..	..	..	..	..
Grand Total ..	10	2,888	116	..	3,014	16,499	643,818	956	..	661,273	664,287	362	68,070	..	..	68,432
North Salem.																
Reserved forests—																
Miscellaneous	4,362	..	..	..	4,362	864,168	..	..	..	864,168	868,530	2,892	..	..	..	2,892
Unreserved lands—																
Sandalwood	1,290	..	..	..	1,290	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous	1,762	170,360	1,440	..	173,562	..	..	..	..	..	..	..	..	..	..	..
Total ..	3,052	170,360	1,440	..	174,852	27,160	198,293	..	..	225,453	400,305	..	2,756,950	1,000	..	2,757,950
Grand Total ..	7,414	170,360	1,440	..	179,214	891,328	198,293	..	..	1,089,621	1,268,835	2,892	2,756,950	1,000	..	2,760,842
South Salem																
Unreserved lands—																
Miscellaneous	1,835	213,088	4,626	..	219,549	708,164	189,887	..	..	898,051	1,117,600	2,050	4,045,400	6,450	..	4,053,900
Trichinopoly.																
Reserved forests—																
Miscellaneous	643	31,490	..	..	32,133	113,076	147,615	..	..	260,691	292,824	..	175,914	..	..	175,914
Reserved lands—																
Miscellaneous	..	966	..	..	966	..	3,419	..	..	3,419	4,385	..	3,258	..	..	3,258
Unreserved lands—																
Miscellaneous	46	703	1,726	..	2,475	31,596	1,262,159	..	..	1,293,755	1,296,230	..	205	130	..	335
Grand Total ..	689	33,159	1,726	..	35,574	144,672	1,413,193	..	..	1,557,865	1,593,439	..	179,377	130	..	179,507

Outturn (in cubic feet solid) of Timber and Fuel during the year 1902–1903, and Agency of Exploitation—*cont.*

District.	Timber.					Fuel.					Total.	Bamboos.				
	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Outturn.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
CENTRAL CIRCLE—*cont.*	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	NO.	NO.	NO.	NO.	NO.
Tanjore.																
Reserved forests—																
Miscellaneous	..	21,759	..	..	21,759	..	44,130	..	..	44,130	65,889	..	..	..	..	..
Unreserved lands—																
Miscellaneous	..	52	..	..	52	28,492	298,155	..	..	326,647	326,699	..	2,200	..	..	2,200
Grand Total ..	..	21,811	..	..	21,811	28,492	342,285	..	..	370,777	392,588	..	2,200	..	..	2,200
SOUTHERN CIRCLE.																
South Canara.																
Reserved forests—																
Teak	1,602	200	..	..	1,802	..	..	..	..	..	..	..	..	..	..	..
Rosewood	271	150	..	..	421	..	..	..	..	..	..	..	..	..	..	..
Vengai	101	..	..	..	101	..	..	..	..	..	..	..	..	..	..	..
Ironwood	339	..	..	..	339	..	..	..	..	..	..	..	..	..	..	..
Hopea	116	100	..	..	216	..	..	..	..	..	..	..	..	..	..	..
Terminalia tomentosa	1,014	3,600	..	..	4,614	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous	1,223	13,153	..	..	14,376	..	..	..	..	..	..	..	..	..	..	..
Total ..	4,666	17,203	..	..	21,869	2,308	357,707	..	..	360,015	381,884	382	89,777	..	..	90,159
Reserved lands—																
Teak	82	125	..	..	207	..	..	..	..	..	..	..	..	..	..	..
Rosewood	124	..	..	..	124	..	..	..	..	..	..	..	..	..	..	..
Vengai	106	..	..	..	106	..	..	..	..	..	..	..	..	..	..	..
Ironwood	220	..	..	..	220	..	..	..	..	..	..	..	..	..	..	..
Hopea	222	125	..	..	347	..	..	..	..	..	..	..	..	..	..	..
Terminalia tomentosa	193	225	..	..	418	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous	848	775	..	..	1,623	..	..	..	..	..	..	..	..	..	..	..
Total ..	1,795	1,250	..	..	3,045	44	880	..	..	924	3,969	..	4,175	..	..	4,175

Outturn (in cubic feet solid) of Timber and Fuel during the year 1902–1903, and Ageney of Exploitation—*cont.*

District.	Timber.					Fuel.					Total.	Bamboos.				
	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Outturn.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
SOUTHERN CIRCLE—*cont.*	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	NO	NO.	NO.	NO.	NO.
South Canara—cont.																
Unreserved lands—																
Teak	91	250	..	..	341	..	..	..	..	..	..	..	..	..	..	..
Rosewood	96	100	..	..	196	..	..	..	..	..	..	..	..	..	..	..
Vengai	22	..	..	..	22	..	..	..	..	..	..	..	..	..	..	..
Ironwood	49	125	..	..	174	..	..	..	..	..	..	..	..	..	..	..
Hopea	235	875	..	..	1,110	..	..	..	..	..	..	..	..	..	..	..
Terminalia tomentosa	32	300	..	..	332	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous	483	4,451	..	..	4,934	..	..	..	..	..	..	..	..	..	..	..
Total ..	1,008	6,101	..	..	7,109	265	441,822	..	..	442,087	449,196	..	10,710	..	..	10,710
Grand Total ..	7,469	24,554	..	..	32,023	2,617	800,409	..	..	803,026	835,049	382	104,662	..	..	105,044
North Malabar.																
Reserved Forests—																
Teak	76,578	2,180	20	..	78,778	..	..	..	..	..	..	..	..	..	..	..
Vengai	12,783	40	..	..	12,823	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous	13,544	1,113	5,300	..	19,957	..	..	..	..	..	..	..	..	..	..	..
Total ..	102,905	3,333	5,320	..	111,558	..	2,820	3,880	..	6,700	118,258	..	20,092	2,750	..	22,842
South Malabar.																
Reserved forests—																
Teak	2,627	17,162	..	..	19,789	..	..	..	..	..	..	..	..	..	..	..
Rosewood	71	1,075	..	..	1,146	..	..	..	..	..	..	..	..	..	..	..
Vengai	..	418	..	..	418	..	..	..	..	..	..	..	..	..	..	..
Ironwood	712	17,210	..	..	17,922	..	..	..	..	..	..	..	..	..	..	..
Hopea	..	5,817	..	..	5,817	..	..	..	..	..	..	..	..	..	..	..
Terminalia tomentosa	196	28,993	..	..	29,189	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous	5,477	102,253	..	..	107,730	..	..	..	..	..	..	..	..	..	..	..
Total ..	9,083	172,928	..	..	182,011	59,903	55,387	..	..	115,290	297,301	11,150	65,175	..	..	76,325

Outturn (in cubic feet solid) of Timber and Fuel during the year 1902-1903, and Agency of Exploitation—*cont.*

District.	Timber.					Fuel.					Total.	Bamboos.				
	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Outturn.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
SOUTHERN CIRCLE—*cont.*	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	NO.	NO.	NO.	NO.	NO.
South Malabar—cont.																
Reserved lands—																
Teak	27,579	3,439	..	..	31,018	..	..	..	..	..	..	..	..	..	..	..
Blackwood	..	127	..	..	127	..	..	..	..	..	..	..	..	..	..	..
Ironwood	44,412	15,512	..	..	59,924	..	..	..	..	..	..	..	..	..	..	..
Hopea	..	18	..	..	18	..	..	..	..	..	..	..	..	..	..	..
Terminalia tomentosa	281	1,958	..	..	2,239	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous	25,819	22,078	..	..	47,897	..	..	..	..	..	..	..	..	..	..	..
Total ..	98,091	43,132	..	..	141,223	209	..	..	..	209	141,432	13,880	18,996	..	..	32,876
Unreserved lands—																
Teak	11	..	..	..	11	..	..	..	..	..	..	..	..	..	..	..
Ironwood	210	72	..	..	282	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous	356	219	..	..	575	..	..	..	..	..	..	..	..	..	..	..
Total ..	577	291	..	..	868	..	..	..	..	..	868	..	..	..	..	..
Grand Total ..	107,751	216,351	..	..	324,102	60,112	55,387	..	..	115,499	439,601	25,030	84,171	..	..	109,201
The Nilgiris.																
Reserved forests—																
Teak	3,085	233	..	..	3,318	..	..	..	..	..	..	..	..	..	..	..
Rosewood	745	105	..	..	850	..	..	..	..	..	..	..	..	..	..	..
Vengai	661	48	..	..	709	..	..	..	..	..	..	..	..	..	..	..
Sandalwood	65	..	..	..	65	..	..	..	..	..	..	..	..	..	..	..
Terminalia tomentosa	135	..	..	..	135	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous	..	4,222	18	..	4,240	..	..	..	..	..	..	..	..	..	..	..
Total ..	4,691	4,608	18	..	9,317	328,696	28,517	1,086	186	358,485	367,802	2,961	369,381	1,775	..	374,117
Reserved lands—																
Miscellaneous	..	..	..	680	680	..	..	1,090	203	1,293	1,973	..	..	965	1,525	2,490
Unreserved lands—																
Miscellaneous	..	..	..	..	..	..	..	168	..	168	168	..	..	..	..	..
Grand Total ..	4,691	4,608	18	680	9,997	328,696	28,517	2,344	389	359,946	369,943	2,961	369,381	2,740	1,525	376,607

Outturn (in cubic feet solid) of Timber and Fuel during the year 1902–1903, and Agency of Exploitation—*cont.*

District.	Timber.					Fuel.					Total.	Bamboos.				
	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Outturn.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
SOUTHERN CIRCLE—*cont.*	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	NO.	NO.	NO.	NO.	NO.
North Coimbatore.																
Reserved forests—																
Teak	551	..	..	..	551	..	..	..	..	..	..	..	..	..	..	..
Vengai	575	..	125	..	700	..	..	..	..	..	..	..	..	..	..	..
Sandalwood	1,717	..	..	..	1,717	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous	14,571	23,451	..	..	38,022	..	..	..	..	..	..	..	..	..	..	..
Total ..	17,414	23,451	125	..	40,990	..	286,370	..	..	286,370	327,360	3,265	4,107,300	..	..	4,110,565
Unreserved lands—																
Miscellaneous	..	1,307	464	..	1,771	..	33,406	190	..	33,596	35,367	..	2,200	2,000	..	4,200
Grand Total ..	17,414	24,758	589	..	42,761	..	319,776	190	..	319,966	362,727	3,265	4,109,500	2,000	..	4,114,765
South Coimbatore.																
Reserved forests—																
Teak	24,813	17,200	..	..	42,013	..	..	..	..	..	..	..	..	..	..	..
Rosewood	1,526	1,650	..	..	3,176	..	..	..	..	..	..	..	..	..	..	..
Vengai	..	174	..	..	174	..	..	..	..	..	..	..	..	..	..	..
Ironwood	38	..	..	..	38	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous	3,570	80,844	..	..	84,414	..	..	..	..	..	..	..	..	..	..	..
Total ..	29,947	99,868	..	..	129,815	130,965	836,326	..	..	967,291	1,097,106	2,244	2,198,050	..	..	2,200,294
Unreserved lands—																
Miscellaneous	..	1,888	..	..	1,888	..	17,413	..	..	17,413	19,301	..	..	..	..	..
Grand Total ..	29,947	101,756	..	..	131,703	130,965	853,739	..	..	984,704	1,116,407	2,244	2,198,050	..	..	2,200,294
Madura.																
Reserved forests—																
Miscellaneous	..	6,618	..	..	6,618	1,636,697	295,405	..	..	1,932,102	1,938,720	..	119,208	..	..	119,208
Unreserved lands—																
Miscellaneous	677	115,081	..	..	115,758	..	178,483	..	..	178,483	294,241	..	..	..	..	..
Grand Total ..	677	121,699	..	..	122,376	1,636,697	473,888	..	..	2,110,585	2,232,961	..	119,208	..	..	119,208

Outturn (in cubic feet solid) of Timber and Fuel during the year 1902–1903, and Agency of Exploitation—*cont.*

District.	Timber.					Fuel.					Total.	Bamboos.				
	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Outturn.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
Tinnevelly.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	NO.	NO.	NO.	NO.	NO.
Reserved forests—																
Teak	98	..	..	..	98	..	..	..	..	..	..	..	..	..	..	..
Hopea	900	..	..	..	900	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous	910	33,388	..	..	34,298	..	..	..	..	..	..	..	..	..	..	..
Total ..	1,908	33,388	..	..	35,296	8,114	775,014	..	..	783,128	818,424	..	68,540	..	..	68,540
Unreserved lands—																
Miscellaneous	..	..	500	..	500	..	249,967	..	..	249,967	250,467	..	25,200	..	..	25,200
Grand total ..	1,908	33,388	500	..	35,796	8,114	1,024,981	..	..	1,033,095	1,068,891	..	93,740	..	..	93,740
						Abstract.										
NORTHERN CIRCLE.																
Reserved forests—																
Teak	6	..	210	..	216	..	..	..	..	..	..	..	..	..	..	..
Vengai	6,311	..	..	..	6,311	..	..	..	..	..	..	..	..	..	..	..
Sál	2,509	720	..	..	3,229	..	..	..	..	..	..	..	..	..	..	..
Ironwood	..	576	..	..	576	..	..	..	..	..	..	..	..	..	..	..
Terminalia tomentosa	3,263	..	..	..	3,263	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous	34,914	587,465	11,340	1,311	635,030	..	..	..	..	..	..	..	..	..	..	..
Total ..	47,003	588,761	11,550	1,311	648,625	1,991,381	2,029,106	..	257,510	4,277,997	4,926,622	279,200	11,562,142	98,250	20,489	11,960,081
Reserved lands—																
Teak	1,526	..	..	..	1,526	..	..	..	..	..	..	..	..	..	..	..
Sandalwood	124	..	..	..	124	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous	62,850	14,188	..	..	77,038	..	..	..	..	..	..	..	..	..	..	..
Total ..	64,500	14,188	..	..	78,688	255,950	85,584	..	..	341,534	420,222	1,100	102,274	..	..	103,374
Unreserved lands—																
Teak	..	9,215	..	..	9,215	..	..	..	..	..	..	..	..	..	..	..
Sál	13,027	..	..	..	13,027	..	..	..	..	..	..	..	..	..	..	..
Ironwood	1,036	27	..	..	1,063	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous	22,144	862,615	14,718	..	899,477	..	..	..	..	..	..	..	..	..	..	..
Total ..	36,207	871,857	14,718	..	922,782	84,729	712,574	..	..	797,303	1,720,085	800	4,533,562	5,700	..	4,540,062
Grand Total ..	147,710	1,474,806	26,268	1,311	1,650,095	2,332,060	2,827,264	..	257,510	5,416,834	7,066,929	281,100	16,197,978	103,950	20,489	16,603,517

Outturn (in cubic feet solid) of Timber and Fuel during the year 1902–1903, and Agency of Exploitation—*cont.*

District.	Timber.					Fuel.					Total.	Bamboos.				
	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Outturn.	Government.	Purchasers.	Free grantees.	Right-holders.	Total.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
						Abstract—cont.										
CENTRAL CIRCLE.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	NO.	NO.	NO.	NO.	NO.
Reserved forests—																
Rosewood	5,768	..	..	..	5,768	..	..	..	..	..	..	..	..	..	..	..
Sandalwood	279	..	..	..	279	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous	11,048	138,948	4,730	..	154,726	..	..	..	..	..	..	..	..	..	..	..
Total	17,095	138,948	4,730	..	160,773	1,612,410	1,876,188	780	..	3,489,378	3,650,151	3,254	5,214,065	15,600	..	5,232,919
Reserved lands—																
Miscellaneous	..	1,716	..	..	1,716	..	3,419	..	..	3,419	5,135	..	3,258	..	..	3,258
Unreserved lands—																
Sandalwood	1,290	..	..	..	1,290	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous	3,643	586,548	16,878	..	607,069	..	..	..	..	..	..	..	..	..	..	..
Total	4,933	586,548	16,878	..	608,359	829,436	3,127,400	556	..	3,957,392	4,565,751	2,050	6,809,873	7,580	..	6,819,503
Grand Total	22,028	727,212	21,608	..	770,848	2,441,846	5,007,007	1,336	..	7,450,189	8,221,037	5,304	12,027,196	23,180	..	12,055,680
SOUTHERN CIRCLE.																
Reserved forests—																
Teak	109,354	36,975	20	..	146,349	..	..	..	..	..	..	..	..	..	..	..
Rosewood	2,613	2,980	..	..	5,593	..	..	..	..	..	..	..	..	..	..	..
Vengai	14,120	680	125	..	14,925	..	..	..	..	..	..	..	..	..	..	..
Ironwood	1,089	17,210	..	..	18,299	..	..	..	..	..	..	..	..	..	..	..
Sandalwood	1,782	..	..	..	1,782	..	..	..	..	..	..	..	..	..	..	..
Hopea	1,016	5,917	..	..	6,933	..	..	..	..	..	..	..	..	..	..	..
Terminalia tomentosa	1,345	32,593	..	..	33,938	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous	39,295	265,042	5,318	..	309,655	..	..	..	..	..	..	..	..	..	..	..
Total	170,614	361,397	5,463	..	537,474	2,166,683	2,637,546	4,966	186	4,809,381	5,346,855	20,002	7,037,523	4,525	..	7,062,050
Reserved lands—																
Teak	27,661	3,564	..	..	31,225	..	..	..	..	..	..	..	..	..	..	..
Rosewood	124	127	..	..	251	..	..	..	..	..	..	..	..	..	..	..
Vengai	106	..	..	..	106	..	..	..	..	..	..	..	..	..	..	..
Ironwood	44,632	15,512	..	..	60,144	..	..	..	..	..	..	..	..	..	..	..
Hopea	222	143	..	..	365	..	..	..	..	..	..	..	..	..	..	..
Terminalia tomentosa	474	2,183	..	..	2,657	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous	26,667	22,853	..	680	50,200	..	..	..	..	..	..	..	..	..	..	..
Total	99,886	44,382	..	680	144,948	253	880	1,090	203	2,426	147,374	13,880	23,171	965	1,525	39,541

Outturn (in cubic feet solid) of Timber and Fuel during the year 1902-1903, and Agency of Exploitation—*cont.*

District.	Timber.					Fuel.					Total.	Bamboos.				
	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Outturn.	Government.	Purchasers.	Free-grantees.	Right holders.	Total.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
						Abstract—cont.										
SOUTHERN CIRCLE—*cont.*	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	NO.	NO.	NO.	NO.	NO.
Unreserved lands—																
Teak	102	250	..	..	352	..	..	..	..	..	..	..	..	..	..	..
Vengai	22	..	..	..	22	..	..	..	..	..	..	..	..	..	..	..
Ironwood	259	197	..	..	456	..	..	..	..	..	..	..	..	..	..	..
Hopea	235	875	..	..	1,110	..	..	..	..	..	..	..	..	..	..	..
Rosewood	96	100	..	..	196	..	..	..	..	..	..	..	..	..	..	..
Terminalia tomentosa	32	300	..	..	332	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous	1,516	122,946	964	..	125,426	..	..	..	..	..	..	..	..	..	..	..
Total ..	2,262	124,668	964	..	127,894	265	921,091	358	..	921,714	1,049,608	..	38,110	2,000	..	40,110
Grand Total ..	272,762	530,447	6,427	680	810,316	2,167,201	3,559,517	6,414	389	5,733,521	6,543,837	33,882	7,098,804	7,490	1,525	7,141,701
NORTHERN CIRCLE.																
Reserved forests, reserved lands and unreserved lands—																
Teak	1,532	9,215	210	..	10,957	..	..	..	..	..	..	..	..	..	..	..
Vengai	6,311	..	..	..	6,311	..	..	..	..	..	..	..	..	..	..	..
Sál	15,536	720	..	..	16,256	..	..	..	..	..	..	..	..	..	..	..
Ironwood	1,036	603	..	..	1,639	..	..	..	..	..	..	..	..	..	..	..
Sandalwood	124	..	..	..	124	..	..	..	..	..	..	..	..	..	..	..
Terminalia tomentosa ..	3,263	..	..	..	3,263	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous	119,908	1,464,268	26,058	1,311	1,611,545	..	..	..	..	..	..	..	..	..	..	..
Total ..	147,710	1,474,806	26,268	1,311	1,650,095	2,332,060	2,827,264	..	257,510	5,416,834	7,066,929	281,100	16,197,978	103,950	20,489	16,603,517
CENTRAL CIRCLE.																
Reserved forests, reserved lands and unreserved lands—																
Rosewood	5,768	..	..	..	5,768	..	..	..	..	..	..	..	..	..	..	..
Sandalwood	1,569	..	..	..	1,569	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous	14,691	727,212	21,608	..	763,511	..	..	..	..	..	..	..	..	..	..	..
Total ..	22,028	727,212	21,608	..	770,848	2,441,846	5,007,007	1,336	..	7,450,189	8,221,037	5,304	12,027,196	23,180	..	12,055,680

Outturn (in cubic feet solid) of Timber and Fuel during the year 1902–1903, and Agency of Exploitation—*cont.*

District.	Timber.					Fuel.					Total.	Bamboos.				
	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Outturn.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
						Abstract—cont.										
SOUTHERN CIRCLE.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	NO.	NO.	NO.	NO.	
Reserved forests, reserved lands and unreserved lands—																
Teak	137,117	40,789	20	..	177,926	..	..	..	..	..	..	..	..	..	..	..
Rosewood	2,833	3,207	..	..	6,040	..	..	..	..	..	..	..	..	..	..	..
Vengai	14,248	680	125	..	15,053	..	..	..	..	..	..	..	..	..	..	..
Ironwood	45,980	32,919	..	..	78,899	..	..	..	..	..	..	..	..	..	..	..
Sandalwood	1,782	..	..	..	1,782	..	..	..	..	..	..	..	..	..	..	..
Hopea	1,473	6,935	..	..	8,408	..	..	..	..	..	..	..	..	..	..	..
Terminalia tomentosa ..	1,851	35,076	..	..	36,927	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous	67,478	410,841	6,282	680	485,281	..	..	..	..	..	..	..	..	..	..	..
Total ..	272,762	530,447	6,427	680	810,316	2,167,201	3,559,517	6,414	389	5,733,521	6,543,837	33,882	7,098,804	7,490	1,525	7,141,701
						Presidency Abstract.										
Reserved forests—																
Teak	109,360	36,975	230	..	146,565	..	..	..	..	..	..	..	..	..	..	..
Rosewood	8,381	2,980	..	..	11,361	..	..	..	..	..	..	..	..	..	..	..
Vengai	20,431	680	125	..	21,236	..	..	..	..	..	..	..	..	..	..	..
Sál	2,509	720	..	..	3,229	..	..	..	..	..	..	..	..	..	..	..
Ironwood	1,089	17,786	..	..	18,875	..	..	..	..	..	..	..	..	..	..	..
Sandalwood	2,061	..	..	..	2,061	..	..	..	..	..	..	..	..	..	..	..
Hopea	1,016	5,917	..	..	6,933	..	..	..	..	..	..	..	..	..	..	..
Terminalia tomentosa	4,608	32,593	..	..	37,201	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous	85,257	991,455	21,388	1,311	1,099,411	..	..	..	..	..	..	..	..	..	..	..
Total ..	234,712	1,089,106	21,743	1,311	1,346,872	5,770,474	6,542,840	5,746	257,696	12,576,756	13,923,628	302,456	23,813,730	118,375	20,489	24,255,050
Reserved lands—																
Teak	29,187	3,564	..	..	32,751	..	..	..	..	..	..	..	..	..	..	..
Rosewood	124	127	..	..	251	..	..	..	..	..	..	..	..	..	..	..
Vengai	106	..	..	..	106	..	..	..	..	..	..	..	..	..	..	..
Ironwood	44,632	15,512	..	..	60,144	..	..	..	..	..	..	..	..	..	..	..
Sandalwood	124	..	..	..	124	..	..	..	..	..	..	..	..	..	..	..
Hopea	222	143	..	..	365	..	..	..	..	..	..	..	..	..	..	..
Terminalia tomentosa	474	2,183	..	680	2,657	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous	89,517	38,757	..	..	128,954	..	..	..	..	..	..	..	..	..	..	..
Total ..	164,386	60,286	..	680	225,352	256,203	89,883	1,090	203	347,379	572,731	14,980	128,703	965	1,525	146,173

Outturn (in cubic feet solid) of Timber and Fuel during the year 1902–1903, and Agency of Exploitation—*cont.*

District.	Timber.					Fuel.					Total.	Bamboos.				
	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Outturn.	Government.	Purchasers.	Free-grantees.	Right-holders	Total.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
						Presidency Abstract—cont.										
	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	NO.	NO.	NO.	NO.	NO.
Unreserved lands—																
Teak	102	9,465		..	9,567	..	..	..	..	..	..	..	..	..	..	..
Rose wood	96	100	..	..	196	..	..	..	..	..	..	..	..	..	..	..
Vengai	22	..	..	..	22	..	..	..	..	..	..	..	..	..	..	..
Sal	13,027	..	..	..	13,027	..	..	..	..	..	..	..	..	..	..	..
Ironwood	1,295	224	..	..	1,519	..	..	..	..	..	..	..	..	..	..	..
Sandalwood	1,290	..	..	..	1,290	..	..	..	..	..	..	..	..	..	..	..
Hopea	235	875	..	..	1,110	..	..	..	..	..	..	..	..	..	..	..
Terminalia tomentosa	32	300	..	..	332	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous	27,303	1,572,109	32,560	..	1,631,972	..	..	..	..	..	..	..	..	..	..	..
Total ..	43,402	1,583,073	32,560	..	1,659,035	914,430	4,761,065	914	..	5,676,409	7,335,444	2,850	11,381,545	15,280	..	11,399,675
Reserved forests, reserved lands and unreserved lands—																
Tectona grandis (teak) ..	138,649	50,004	230	..	188,883	..	..	..	..	..	..	..	..	..	..	..
Dalbergia latifolia (rosewood).	8,601	3,207	..	..	11,808	..	..	..	..	..	..	..	..	..	..	..
Pterocarpus marsupium (vengai)	20,559	680	125	..	21,364	..	..	..	..	..	..	..	..	..	..	..
Pterocarpus santalinus (redwood)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Shorea robusta (Sal)	15,536	720	..	..	16,256	..	..	..	..	..	..	..	..	..	..	..
Xylia dolabriformis (ironwood).	47,016	33,522	..	..	80,538	..	..	..	..	..	..	..	..	..	..	..
Santalum album (sandalwood).	3,475	..	..	..	3,475	..	..	..	..	..	..	..	..	..	..	..
Hopea parviflora	1,473	6,935	..	..	8,408	..	..	..	..	..	..	..	..	..	..	..
Terminalia tomentosa	5,114	35,076	..	..	40,190	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous	202,077	2,602,321	53,948	1,991	2,860,337	..	..	..	..	..	..	..	..	..	..	..
Presidency total ..	442,500	2,732,465	54,303	1,991	3,231,259	6,941,107	11,393,788	7,750	257,899	18,600,544	21,831,803	320,286	35,323,978	134,620	22,014	35,800,898

Annual Form No. 56.

Forest Department, Madras Presidency.

Outturn of Minor Forest Produce during the year 1902–1903.

Circles.	Description of produce.	Produce removed or utilized.									
		By Government Agency.		By purchasers.		By free grants.		By right-holders.		Total.	
		Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.
1	2	3	4	5	6	7	8	9	10	11	12
			Rs.		Rs.		Rs.		Rs.		Rs.
Northern Circle.	Grass and grazing	..	..	..	2,29,294	..	27	..	1,309	..	2,30,630
	Stones, gravel, earth, &c.	..	..	..	9,639	..	85	..	..	..	9,724
	Tamarind, soapnuts and gallnuts ..	Maunds 350	108	..	42,238	..	..	..	38,650	..	80,996
	Horns, honey, wax, nux-vomica, &c.	..	..	..	1,010	..	..	..	..	..	1,010
	Tangedu, &c., barks	..	..	..	42,554	..	..	..	..	..	42,554
	Miscellaneous	Maunds 159	..	..	1,13,303	..	83	..	300	..	1,13,686
	Total ..	Maunds 500	108	..	4,38,038	..	195	..	40,259	..	4,78,600
Central Circle.	Grass and grazing	Maunds 4,390	97	..	2,52,776	..	1,439	..	356	..	2,54,668
	Stones, gravel, earth, &c.	..	..	..	9,141	..	..	..	..	..	9,141
	Tamarind, soapnuts and gallnuts ..	Maunds 983	374	..	48	..	..	..	..	..	422
	Horns, honey, wax, nux-vomica, &c.	,, 2,250	2,860	..	187	..	..	..	..	..	3,047
	Tangedu, &c., barks	,, 52	19	..	19,582	..	..	..	..	..	19,601
	Mica	..	..	..	21,123	..	..	..	..	..	21,123
	Miscellaneous	Maunds 3,434	1,358	..	1,49,121	..	83	..	..	..	1,50,562
	Total ..	Maunds 11,109	4,708	..	4,51,978	..	1,522	..	356	..	4,58,564
Southern Circle.	Grass and grazing	..	..	..	98,120	..	..	..	32	..	98,152
	Stones, gravel, earth, &c.	..	..	..	3,168	..	..	..	..	..	3,168
	Tamarind, soapnuts and gallnuts ..	Maunds 15,631	10,470	..	2,580	..	..	..	..	..	13,050
	Horns, honey, wax, &c.	,, 887	6,227	..	..	..	..	..	..	..	6,227
	Tangedu, &c., barks	,, 9,796	6,532	..	3,757	..	..	..	..	..	10,289
	Catechu	,, 1,408	11,313	..	..	..	..	..	..	..	11,313
	Miscellaneous	,, 4,048	5,545	..	56,359	..	14	..	1,472	..	63,390
	Total ..	Maunds 31,770	40,087	..	1,63,984	..	14	..	1,504	..	2,05,589
	Grand Total ..	Maunds 43,379	44,903	..	10,54,000	..	1,731	..	42,119	..	11,42,753

ANNUAL FORM No. 57.

Forest Department, Madras Presidency.

ACCOUNT of Timber cut or collected by Government Agency and brought to depot, sold locally or otherwise disposed of during 1902–1903.

Name of district.	Balance at commencement of the year in forest and sale depots.	Received during the year.	Total.	Disposed of during the year.	Balance in hand at close of the year in forest and sale depots.
1	2	3	4	5	6
TIMBER (CUBIC FEET).					
Northern Circle.					
Ganjám	23,562	58,586	82,148	64,597	17,551
Vizagapatam	506	2,731	3,237	629	2,608
Gódávari	3,081	3,034	6,115	3,451	2,664
Kistna	55	1,546	1,601	1,556	45
Kurnool	4,261	17,313	21,574	10,138	11,436
Bellary	52,442	64,500	116,942	20,080	96,862
Anantapur	..	..	..	..	..
Total ..	83,907	147,710	231,617	100,451	131,166
Central Circle.					
Cuddapah	32,809	7,713	40,522	39,226	1,296
Nellore	298	1,417	1,715	1,715	..
Chingleput	..	..	..	..	..
North Arcot	49	2,950	2,999	489	2,510
South do.	498	10	508	52	456
North Salem	700	7,414	8,114	6,753	1,361
South do.	389	1,835	2,224	1,409	815
Trichinopoly	..	689	689	689	..
Tanjore	..	..	..	..	..
Total ..	34,743	22,028	56,771	50,333	6,438
Southern Circle.					
South Canara	72,470	7,469	79,939	14,655	65,284
Malabar (North)	195,640	102,905	298,545	84,777	213,768
Do. (South)	20,205	107,751	127,956	105,680	22,276
The Nilgiris	23,085	4,691	27,776	6,824	20,952
Coimbatore (North)	6,112	17,414	23,526	4,567	18,959
Do. (South)	134,203	29,947	164,150	43,751	120,399
Madura	152	677	829	252	577
Tinnevelly	153	1,908	2,061	1,331	730
Total ..	452,020	272,762	724,782	261,837	462,945
Grand Total ..	570,670	442,500	1,013,170	412,621	600,549
FUEL (CUBIC FEET):					
Northern Circle.					
Ganjám	..	6,264	6,264	3,244	3,020
Vizagapatam	5,530	172,252	177,782	164,912	12,870
Gódávari	7,803	262,139	269,942	167,821	102,121
Kistna	3,640	64,413	68,053	53,636	14,417
Kurnool	187,903	1,565,312	1,753,215	1,368,652	384,563
Bellary	109,840	255,950	365,790	313,310	52,480
Anantapur	..	5,730	5,730	5,730	..
Total ..	314,716	2,332,060	2,646,776	2,077,305	569,471
Central Circle.					
Cuddapah	62,742	155,760	218,502	110,527	107,975
Nellore	15,696	370,789	386,485	363,456	23,029
Chingleput	1,710	52,552	54,262	33,322	20,940
North Arcot	898	73,590	74,488	72,609	1,879
South do.	1,107	16,499	17,606	14,942	2,664
North Salem	175	891,328	891,503	887,999	3,504
South do.	121,347	708,164	829,511	672,884	156,627
Trichinopoly	44,383	144,672	189,055	168,384	20,671
Tanjore	26,400	28,492	54,892	38,557	16,335
Total ..	274,458	2,441,846	2,716,304	2,362,680	353,624
Southern Circle.					
South Canara	..	2,617	2,617	2,617	..
Malabar (North)	..	..	..	..	..
Do. (South)	337	60,112	60,449	295	60,154
The Nilgiris	218,097	328,696	546,793	373,889	172,904
Coimbatore (North)	2,412	..	2,412	..	2,412
Do. (South)	56,880	130,965	187,845	152,373	35,472
Madura	17,340	1,636,697	1,654,037	1,610,941	43,096
Tinnevelly	..	8,114	8,114	8,114	..
Total ..	295,066	2,167,201	2,462,267	2,148,229	314,038
Grand Total ..	884,240	6,941,107	7,825,347	6,588,214	1,237,133

Account of Timber cut or collected by Government Agency and brought to depot, sold locally or otherwise disposed of during 1902–1903—*cont.*

Name of district.	Balance at commencement of the year in forest and sale depots.	Received during the year.	Total.	Disposed of during the year.	Balance in hand at close of the year in forest and sale depots.
1	2	3	4	5	6
MINOR FOREST PRODUCE (MAUNDS OF 25 LB.).					
Northern Circle.					
Ganjám	..	150	150	..	150
Vizagapatam	..	..	..	..	..
Gódávari	..	350	350	350	..
Kistna	5	..	5	5	..
Kurnool	..	..	..	..	..
Bellary	..	..	..	..	..
Anantapur	..	..	..	..	..
Total ..	5	500	505	355	150
Central Circle.					
Cuddapah	..	350	350	..	350
Nellore	3,407	3,522	6,929	5,580	1,349
Chingleput	..	..	..	..	..
North Arcot	..	604	604	64	540
South do.	2,737	3,111	5,848	5,341	507
North Salem	..	313	313	..	313
South do.	4,716	3,209	7,925	4,813	3,112
Trichinopoly	25	..	25	25	..
Tanjore	12	..	12	4	8
Total ..	10,897	11,109	22,006	15,827	6,179
Southern Circle.					
South Canara	917	2,727	3,644	3,365	279
Malabar (North)	54	113	167	46	121
Do. (South)	..	..	..	..	..
The Nilgiris	3,210	3,691	6,901	1,611	5,290
Coimbatore (North)	3,264	20,877	24,141	11,982	12,159
Do. (South)	73	4,362	4,435	3,869	566
Madura	..	..	..	..	..
Tinnevelly	19	..	19	19	..
Total ..	7,537	31,770	39,307	20,892	18,415
Grand Total ..	18,439	43,379	61,818	37,074	24,744
BAMBOOS (NUMBER).					
Northern Circle.					
Ganjám	..	276,340	276,340	270,940	5,400
Vizagapatam	..	1,050	1,050	1,050	..
Gódávari	..	..	..	..	..
Kistna	264	360	624	507	117
Kurnool	..	2,250	2,250	2,250	..
Bellary	548	1,100	1,648	100	1,548
Anantapur	..	..	..	..	..
Total ..	812	281,100	281,912	274,847	7,065
Central Circle.					
Cuddapah	..	..	..	..	..
Nellore	..	..	..	..	..
Chingleput	..	..	..	..	..
North Arcot	..	..	..	..	..
South do.	3	362	365	365	..
North Salem	1	2,892	2,893	2,758	135
South do.	..	2,050	2,050	2,050	..
Trichinopoly	..	..	..	..	..
Tanjore	..	..	..	..	..
Total ..	4	5,304	5,308	5,173	135
Southern Circle.					
South Canara	1,288	382	1,670	1,670	..
Malabar (North)	..	..	..	..	..
Do. (South)	11,702	25,030	36,732	36,612	120
The Nilgiris	..	2,961	2,961	2,961	..
Coimbatore (North)	..	3,265	3,265	3,265	..
Do. (South)	..	2,244	2,244	1,376	868
Madura	..	..	..	..	..
Tinnevelly	..	..	..	..	..
Total ..	12,990	33,882	46,872	45,884	988
Grand Total ..	13,806	320,286	334,092	325,904	8,188

ANNUAL FORM No. 58.

Forest Department, Madras Presidency.

STATEMENT showing the Value of Timber and other Produce at sale depots for the year 1902–1903.

District.	Description of timber or produce.	On hand at commencement of the year.			On hand at close of the year.			Difference in value.	
		Number.	Cubic feet.	Value.	Number.	Cubic feet.	Value.	In favour of the year.	Against the year
1	2	3	4	5	6	7	8	9	10
	Northern Circle.			RS.			RS.	RS.	RS.
Ganjám ..	Sál	..	7,057	2,646	..	6,529	2,448	..	198
	Miscellaneous ..	..	16,505	4,125	..	11,022	2,755	..	1,370
	Total, timber ..	..	23,562	6,771	..	17,551	5,203	..	1,568
	Fuel	..	..	..	..	3,020	283	283	..
	Minor produce ..	..	..	..	MDS. 150	..	150	150	..
	Bamboos	..	..	..	5,400	..	34	34	..
Vizagapatam.	Miscellaneous timber ..	..	506	408	..	2,608	1,846	1,438	..
	Fuel	..	5,530	214	..	12,870	420	206	..
Gódávari ..	Miscellaneous timber ..	..	3,081	2,633	..	2,664	1,664	..	969
	Fuel	..	7,803	4,583	..	102,121	6,384	1,801	..
Kistna ..	Miscellaneous timber ..	..	55	50	..	45	7	..	43
	Bamboos ..	5	..	5	117	..	45	40	..
	Fuel	..	3,640	1,493	..	14,417	1,205	..	288
	Minor produce ..	MDS. 5	..	4	..	..	..	..	4
Kurnool ..	Teak	..	12	12	..	..	..	..	12
	Miscellaneous ..	..	4,249	4,343	..	11,436	8,577	4,234	..
	Total, timber ..	..	4,261	4,355	..	11,436	8,577	4,222	..
	Fuel	..	187,903	11,052	..	384,563	22,620	11,568	..
Bellary ..	Teak	..	902	50	..	1,026	57	7	..
	Miscellaneous timber ..	..	51,540	1,800	..	95,836	3,500	1,700	..
	Total, timber ..	..	52,442	1,850	..	96,862	3,557	1,707	..
	Fuel	..	109,840	9,985	..	52,480	4,892	..	5,093
	Bamboos ..	548	..	32	1,548	..	221	189	..
Anantapur.	....	..	..	..	..	..	..	..	..
	Central Circle.								
Cuddapah ..	Miscellaneous timber ..	..	32,809	9,797	..	1,296	388	..	9,409
	Fuel	..	62,742	3,016	..	107,975	5,190	2,174	..
	Minor produce ..	..	..	..	MDS. 350	..	20	20	..
Nellore ..	Miscellaneous timber ..	..	298	62	..	..	..	..	62
	Fuel	..	15,696	1,759	..	23,029	1,893	134	..
	Minor produce ..	MDS. 3,407	..	2,585	MDS. 1,349	..	1,576	..	1,009
Chingleput.	Fuel	..	1,710	17	..	20,940	209	192	..
North Arcot.	Miscellaneous timber ..	..	49	133	..	2,510	359	226	..
	Fuel	..	898	95	..	1,879	187	92	..
	Minor produce ..	..	..	..	MDS. 540	..	50	50	..
South Arcot.	Miscellaneous timber ..	..	498	60	..	456	55	..	5
	Fuel	..	1,107	60	..	2,664	125	65	..
	Bamboos ..	3	..	..	..	..	..	..	..
	Minor produce ..	MDS. 2,737	..	18,403	MDS. 507	..	3,672	..	14,731
North Salem.	Sandalwood ..	..	289	2,890	..	152	1,520	..	1,370
	Miscellaneous ..	..	411	282	..	1,209	1,174	892	..
	Total, timber ..	..	700	3,172	..	1,361	2,694	..	478
	Fuel	..	175	4	..	3,504	73	69	..
	Bamboos ..	1	..	1	135	..	114	113	..
	Minor produce ..	..	..	..	MDS. 313	..	2	2	..

Statement showing the Value of Timber and other Produce at sale depots, etc.—*cont.*

District.	Description of timber or produce.	On hand at commencement of the year.			On hand at close of the year.			Difference in value.	
		Number.	Cubic feet.	Value.	Number.	Cubic feet.	Value.	In favour of the year.	Against the year.
1	2	3	4	5	6	7	8	9	10
				Rs.			Rs.	Rs.	Rs.
South Salem.	Sandalwood ..	..	51	510	..	15	150	..	360
	Miscellaneous ..	..	338	310	..	800	600	290	..
	Total, timber ..	..	389	820	..	815	750	..	70
	Fuel	..	121,347	2,528	..	156,627	9,779	7,251	..
		Mds.			Mds.				
	Minor produce ..	4,716	..	997	3,112	..	210	..	787
Trichinopoly	Fuel	..	44,383	7,228	..	20,671	3,640	..	3,588
		Mds.							
	Minor produce ..	25	..	87	..	..	..	..	87
Tanjore ..	Fuel	..	26,400	3,960	..	16,335	2,178	..	1,782
		Mds.			Mds.				
	Minor produce ..	12	..	7	8	..	5	..	2
	Southern Circle.								
South Canara.	Miscellaneous ..	..	72,470	3,233	..	65,284	2,225	..	1,008
	Bamboos ..	1,288	..	129	..	..	..	..	129
		Mds.							
	Minor produce ..	917	..	3,338	279	..	834	..	2,504
North Malabar.	Teak	..	79,621	44,787	..	91,424	51,426	6,639	..
	Rosewood ..	..	2,660	1,497	..	3,219	1,811	314	..
	Vengai	..	18,886	10,623	..	30,882	17,471	6,848	..
	Miscellaneous ..	..	94,473	11,809	..	88,243	11,030	..	779
	Total, timber ..	..	195,640	68,716	..	213,768	81,738	13,022	..
		Mds.			Mds.				
	Minor produce ..	54	..	638	121	..	826	188	..
	Teak	..	15,953			16,028			
	Rosewood ..	..	..			72			
	Ironwood ..	..	3,455	9,415	..	1,394	7,326	..	2,089
	Terminalia tomentosa ..	..	698			603			
South Malabar.	Miscellaneous ..	..	99			4,179			
	Total, timber ..	..	20,205	9,415	..	22,276	7,326	..	2,089
	Fuel	..	337	45	..	60,154	3,750	3,705	..
	Bamboos ..	11,702	..	230	120	..	2	..	228
	Teak	..	34	101	..	60	210	109	..
	Miscellaneous ..	..	23,051	1,843	..	20,892	1,750	..	93
The Nilgiris.	Total, timber ..	..	23,085	1,944	..	20,952	1,960	16	..
	Fuel	..	218,097	1,783	..	172,904	10,806	9,023	..
		Mds.			Mds.				
	Minor produce ..	3,210	..	2,900	5,290	..	4,500	1,600	..
	Teak	..	1,122	1,200	..	632	632	..	568
	Vengai	..	1,228	1,240	..	812	610	..	630
	Sandalwood ..	..	2,527	25,270	..	2,945	41,223	15,953	..
North Coimbatore.	Miscellaneous ..	..	1,235	950	..	14,570	7,363	6,413	..
	Total, timber ..	..	6,112	28,660	..	18,959	49,828	21,168	..
	Fuel	..	2,412	38	..	2,412	38	..	..
		Mds.			Mds.				
	Minor produce ..	3,264	..	4,238	12,159	..	11,538	7,300	..
	Teak	..	2,929	6,178	..	3,813	8,730	2,557	..
	Rosewood ..	..	128	384	..	25	44	..	340
	Miscellaneous ..	..	131,146	6,913	..	116,561	3,933	..	2,980
South Coimbatore.	Total, timber ..	..	134,203	13,470	..	120,399	12,707	..	763
	Fuel	..	56,880	1,027	..	35,472	745	..	282
		Mds.			Mds.				
	Minor produce ..	73	..	4	566	..	1,260	1,256	..
	Bamboos ..	..	..	..	868	..	83	83	..
Madura ..	Miscellaneous timber ..	..	152	76	..	577	288	212	..
	Fuel	..	17,340	760	..	43,096	1,616	856	..
Tinnevelly ..	Miscellaneous timber ..	..	153	115	..	730	650	535	..
		Mds.							
	Minor produce ..	19	..	38	..	..	..	..	38

Statement showing the Value of Timber and other Produce at sale depots, &c.—*cont.*

District.	Description of timber or produce.	On hand at commencement of the year.			On hand at close of the year.			Difference in value.	
		Number.	Cubic feet.	Value.	Number.	Cubic feet.	Value.	In favour of the year.	Against the year.
1	2	3	4	5	6	7	8	9	10
				ABSTRACT.					
	Northern Circle.			RS.			RS.	RS.	RS.
	Timber	..	83,907	16,067	..	131,166	20,854	4,787	..
	Fuel	..	314,716	27,327	..	569,471	35,804	8,477	..
	Bamboos ..	812	..	37	7,065	..	300	263	..
	Minor produce ..	MDS. 5	..	4	MDS. 150	..	150	146	..
	Central Circle.								
	Timber	..	34,743	14,044	..	6,438	4,246	..	9,798
	Fuel	..	274,458	18,667	..	353,624	23,274	4,607	..
	Bamboos ..	4	..	1	135	..	114	113	..
	Minor produce ..	MDS. 10,897	..	22,079	MDS. 6,179	..	5,535	..	16,544
	Southern Circle.								
	Timber	..	452,020	1,25,629	..	462,945	1,56,722	31,093	..
	Fuel	..	295,066	3,653	..	314,038	16,955	13,302	..
	Bamboos ..	12,990	..	359	988	..	85	..	274
	Minor produce ..	MDS. 7,537	..	11,156	MDS. 18,415	..	18,958	7,802	..
				GRAND TOTAL.					
				RS.			RS.	RS.	RS.
	Timber	..	570,670	1,55,740	..	600,549	1,81,822	26,082	..
	Fuel	..	884,240	49,647	..	1,237,133	76,033	26,386	..
	Bamboos ..	13,806	..	397	8,188	..	499	102	..
	Minor produce ..	MDS. 18,439	..	33,239	MDS. 24,744	..	24,643	..	8,596

Annual Form No. 59.

Summary of Revenue of the different districts for the Forest year 1902–1903.

Budget heads	Northern Circle.									Central Circle.				
	Direction.	Ganjám.	Vizagapatam.	Gódávari.	Kistna.	Kurnool.	Bellary.	Anantapur.	Total.	Direction.	Nellore.	Cuddapah.	Chingleput.	North Arcot.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Receipts.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
I. Timber and other produce removed from the forests by Government Agency—														
(*a*) Timber	..	5,321	205	1,632	21	7,998	2,430	..	17,607	1,578	19	11,532	..	150
(*b*) Firewood and charcoal	..	246	7,611	7,483	4,120	91,305	13,397	360	1,24,522	..	27,187	3,361	3,942	4,315
(*c*) Bamboos	..	1,698	8	..	..	..	8	..	1,714	..	..	..	..	..
(*d*) Sandalwood	..	..	..	..	..	..	3	..	3	..	..	..	..	2,021
(*e*) Grass and other minor produce	..	..	112	108	..	54	24	..	298	..	4,182	..	..	72
II. Timber and other produce removed from the forests by consumers or purchasers—														
(*a*) Timber	..	11,857	5,166	34,901	26,155	19,385	11,575	5,872	1,14,911	..	6,853	10,779	3,236	6,010
(*b*) Firewood and charcoal	..	7,836	4,277	12,777	14,027	15,542	4,074	3,229	61,762	..	30,834	9,775	11,067	20,114
(*c*) Bamboos	..	6,695	8,423	42,003	3,009	18,461	2,164	451	81,206	..	35	4,390	61	21,590
(*d*) Grazing and fodder grass	..	13,303	5,037	20,056	83,004	43,261	42,516	21,885	2,29,062	..	41,496	36,775	13,612	33,267
(*e*) Other produce	..	4,191	10,145	41,413	18,991	27,229	48,946	41,648	1,92,563	..	37,565	38,842	12,075	30,054
(*f*) Tree owners' fees	..	122	26	614	854	2,479	1,729	1,797	7,621	..	171	696	127	751
III. Confiscated drift and waifwood	..	398	35	3,417	106	1,273	71	..	5,300	..	1,285	318	132	250
IV. Revenue from forests not managed by Government	..	..	..	..	..	..	..	..	..	..	..	..	..	..
V. Miscellaneous—														
(*a*) Refunds	..	49	..	1,110	14	211	10	140	1,534	..	1	70	74	1,235
(*b*) Other sources	3	502	2,182	6,950	3,272	4,238	7,166	2,499	26,812	9,071	4,656	6,830	307	1,412
Total, Receipts	3	52,218	43,227	1,72,464	1,53,573	2,31,436	1,34,113	77,881	8,64,915	*10,649	1,54,284	1,23,368	44,633	1,21,241

Budget heads.	Central Circle—*cont.*						Southern Circle.								
	South Arcot.	North Salem.	South Salem.	Trichinopoly	Tanjore.	Total.	Direction.	Nilgiris.	North Coimbatore.	South Coimbatore.	Madura.	Tinnevelly.	North Malabar.	South Malabar.	South Canara.	Total.
	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Receipts.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
I. Timber and other produce removed from the forests by Government Agency—																
(*a*) Timber	..	2,532	1,046	38	..	16,895	1	8,334	937	25,167	104	1,452	50,065	34,985	6,167	1,27,212
(*b*) Firewood and charcoal	513	62,823	78,046	20,176	3,799	2,04,162	..	17,449	..	2,152	49,548	1,374	..	69	341	70,933
(*c*) Bamboos	90	141	56	..	..	287	..	..	..	26	..	..	..	739	169	934
(*d*) Sandalwood	31	15,217	3,120	..	..	20,389	..	1,115	29,594	..	..	..	..	..	..	30,709
(*e*) Grass and other minor produce	295	..	109	272	25	4,955	..	1,970	14,793	7,287	..	23	557	..	14,788	39,418
II. Timber and other produce removed from the forests by consumers or purchasers—																
(*a*) Timber	362	11,264	13,831	2,934	1,337	56,606	..	705	2,714	18,913	8,133	200	2,250	24,703	4,257	61,875
(*b*) Firewood and charcoal	39,041	4,767	4,425	24,295	8,777	1,53,095	..	1,667	14,555	18,586	27,244	39,881	45	3,723	12,485	1,18,186
(*c*) Bamboos	89	7,974	23,600	1,651	220	59,610	..	3,430	10,856	7,679	3,668	639	343	1,681	1,570	29,866
(*d*) Grazing and fodder grass	51,348	31,253	24,395	17,949	1,236	2,51,331	..	9,424	47,639	8,926	20,951	4,055	2,790	5	4,317	98,107
(*e*) Other produce	25,259	13,354	19,714	14,881	4,332	1,96,076	..	828	5,927	7,664	27,466	23,537	1,007	1,942	13,063	81,434
(*f*) Tree owners' fees	229	413	..	..	50	2,437	..	..	..	..	..	..	..	1	95	96
III. Confiscated drift and waifwood	283	304	321	252	18	3,163	..	49	327	533	266	736	454	4	1,108	3,473
IV. Revenue from forests not managed by Government	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
V. Miscellaneous—																
(*a*) Refunds	866	78	499	148	53	3,024	..	50	1	536	130	15	3	35	203	973
(*b*) Other sources	890	6,400	13,777	8,562	4,327	56,232	88	5,431	2,940	6,311	2,497	2,824	11,473	2,285	2,538	36,387
Total, Receipts	1,19,296	1,56,520	1,82,939	91,158	24,174	10,28,262	89	50,452	1,30,283	1,03,780	1,40,007	74,736	68,987	70,172	61,096	6,99,502

* Out of this amount, Rs. 10,630 relate to the revenue of the Southern Circle realized in the Central Circle.

Madras, 31st August 1903.

(Signed) E. S. HENSMAN, Chief Superintendent.

Forest Department, Madras Presidency, Northern Circle.

Summary of Expenditure of the different Districts for the Forest year 1902-1903.

Budget heads.	Direction.	Ganjám.	Vizagapatam.	Gódávari.	Kistna.	Kurnool.	Bellary.	Anantapur.	Total.
	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
I.—Refunds and Drawbacks.	1	52	33	389	156	199	300	3,028	4,158
A. Conservancy and Works.									
I. Timber and other produce removed from the forests by Government Agency—									
(*a*) Timber	..	1,883	257	96	7	7,925	2,200	..	12,368
(*b*) Firewood and charcoal	..	341	4,139	5,928	2,380	36,789	14,619	26	64,222
(*c*) Bamboos	..	892	..	..	..	..	19	..	911
(*d*) Sandalwood ..	..	..	..	..	..	..	140	..	140
(*e*) Grass and other minor produce ..	..	118	6	19	..	..	..	80	223
II. Timber and other produce removed from the forests by consumers or purchasers	..	5,837	4,657	14,783	5,505	16,786	3,860	1,688	53,116
III. Confiscated, drift and waif-wood	..	14	1	961	6	64	7	..	1,053
IV. Revenue from forests not managed by Government	..	..	..	..	..	..	..	..	..
V. Rent of leased forests and payments to share-holders in forests managed by Government	..	..	400	..	..	..	10,000	..	10,400
VI. Live-stock, stores, tools and plant—									
(*a*) Purchase of cattle ..	..	..	..	..	..	892	— 22	..	870
(*b*) Feed and keep of cattle	..	— 28	697	701	..	4,832	952	..	7,154
(*c*) Stores, tools and plant	397	258	6	585	318	640	22	47	2,273
VII. Communications and buildings—									
(*a*) Roads and bridges..	74	336	53	3,874	889	1,644	146	9	7,025
(*b*) Buildings	60	2,536	1,101	3,906	589	3,905	61	2,172	14,330
(*c*) Other works ..	..	153	36	1,751	990	447	14	15	3,406
VIII. Demarcation, improvement and extension of forests—									
(*a*) Demarcation ..	..	2,281	75	704	2,572	1,630	434	25	7,721
(*b*) Cost of forest settlement; compensation for land and rights	..	..	..	23	519	134	1,891	..	2,567
(*c*) Surveys (1) Local ..	30	632	677	1,570	1,371	961	369	..	5,610
(*c*) Surveys (2) India ..	*19,180	..	..	..	..	..	..	..	* 19,180
(*d*) Working plans ..	..	485	..	170	..	..	..	..	655
(*e*) Sowing and planting.	432	272	253	5,267	2,828	59	895	214	10,220
(*f*) Protection from fire.	..	2,496	50	2,331	443	1,421	628	750	8,119
(*g*) Other works ..	..	53	..	..	10,787	592	3,841	3,670	18,943
IX. Miscellaneous—									
(*a*) Law charges ..	..	30	..	2	..	1	..	..	33
(*b*) Other charges ..	14	43	40	136	8	106	28	12	387
Total, A. Conservancy and Works	1,008 / *19,180	18,684	12,481	43,196	29,368	79,027	40,404	11,736	2,35,904 / * 19,180

* The approximate figure under sub-head VIII-(*c*) (2)—"Surveys of India" furnished by the Comptroller, India Treasuries. The actuals have not yet been intimated.

MADRAS,
31st August 1903.

(Signed) E. S. HENSMAN,
Chief Superintendent.

Forest Department, Madras Presidency, Central Circle.

Summary of Expenditure of the different Districts for the Forest year 1902–1903—*cont.*

Budget heads.	Direction.	Nellore.	Cuddapah.	Chingleput.	North Arcot.	South Arcot.	North Salem.	South Salem.	Trichinopoly.	Tanjore.	Total.
	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
I. Refunds and Drawbacks ..	..	4,370	180	124	969	548	850	294	280	89	7,704
A. Conservancy and Works.											
I. Timber and other produce removed from the forests by Government Agency—											
(*a*) Timber ..	..	2	1,712	..	239	..	1,341	549	39	..	3,882
(*b*) Firewood and charcoal ..	..	13,583	2,641	1,376	1,234	326	45,085	53,871	9,923	1,092	1,29,131
(*c*) Bamboos ..	..	..	..	..	..	..	71	30	..	..	101
(*d*) Sandalwood ..	..	..	..	..	144	..	672	110	..	..	926
(*e*) Grass and other minor produce ..	..	2,151	78	58	22	130	37	163	36	4	2,679
II. Timber and other produce removed from the forests by consumers or purchasers ..	..	6,099	10,949	1,703	1,393	2,123	3,348	4,699	2,152	636	33,102
III. Confiscated, drift and waifwood	..	..	24	3	11	1	3	5	4	..	51
IV. Revenue from forests not managed by Government	..	..	..	..	..	..	..	..	..	..	..
V. Rent of leased forests and payments to shareholders in forests managed by Government	..	..	..	..	..	..	..	..	..	..	..
VI. Live-stock, stores, tools and plant—											
(*a*) Purchase of cattle ..	..	..	..	..	..	..	..	..	..	..	..
(*b*) Feed and keep of cattle ..	..	..	..	..	..	..	..	..	..	..	..
(*c*) Stores, tools and plant ..	1,088	5,441	7	—10	135	59	1	163	..	6	6,890
VII. Communications and buildings—											
(*a*) Roads and bridges ..	..	..	..	..	4,572	253	1,529	825	..	..	7,179
(*b*) Buildings ..	12	1,290	737	552	3,003	441	231	705	234	3	7,208
(*c*) Other works ..	..	376	33	45	182	1	198	109	..	..	944
VIII. Demarcation, improvement and extension of forests—											
(*a*) Demarcation ..	..	980	236	905	192	878	155	188	770	..	4,304
(*b*) Cost of forest settlement; compensation for land and rights ..	..	37	41	226	57	..	..	..	— 100	..	261
(*c*) Surveys—											
(1) Local ..	316	672	360	476	387	240	1,005	383	360	..	4,199
(2) India ..	*17,700	..	..	..	..	..	..	..	..	..	*17,700
(*d*) Working plans.	27	26	1	..	439	86	..	59	..	..	638
(*e*) Sowing and planting ..	..	8,660	1,074	542	1,412	1,941	— 5	102	1,101	988	15,815
(*f*) Protection from fire	..	1,381	4,365	341	3,922	1,413	1,245	848	122	..	13,637
(*g*) Other works ..	..	1,691	2,982	2,181	7,481	9,836	2,992	4,970	3,426	451	35,510
IX. Miscellaneous—											
(*a*) Law charges ..	4	50	..	..	1	..	..	97	..	..	152
(*b*) Other charges ..	3	5	42	13	24	30	113	117	51	4	402
Total, A Conservancy and Works	1,450 *17,700	46,814	25,462	8,535	25,819	17,806	58,871	68,287	18,398	3,273	2,74,715 *17,700

* The approximate figure under sub-head VIII-(*c*) (2)—"Surveys of India" furnished by the Comptroller, India Treasuries. The actuals have not yet been intimated.

MADRAS,
31st August 1903.

(Signed) E. S. HENSMAN,
Chief Superintendent.

Forest Department, Madras Presidency, Southern Circle.

Summary of Expenditure of the different Districts for the Forest year 1902–1903—*cont.*

Budget heads.	Direction.	The Nilgiris.	North Coimbatore.	South Coimbatore.	Madura.	Tinnevelly.	North Malabar.	South Malabar.	South Canara.	Total.
	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
I. Refunds and Drawbacks.	..		137	162	4,158	— 78	2	..	257	4,638
A. Conservancy and Works.										
I. Timber and other produce removed from the forests by Government Agency—										
(*a*) Timber ..	..	2,448	783	12,964	20	1,399	7,206	5,561	2,740	33,121
(*b*) Firewood and charcoal ..	..	13,811	..	1,285	28,174	195	..	467	53	43,985
(*c*) Bamboos ..	..	..	..	99	..	..	..	851	4	954
(*d*) Sandalwood ..	..	124	11,572	..	..	..	..	..	..	11,696
(*e*) Grass and other minor produce.	..	1,931	14,651	* 4,135	..	..	321	..	4,143	25,181
II. Timber and other produce removed from the forests by consumers or purchasers ..	..	1,016	3,485	6,515	2,729	2,335	495	88	4,935	21,598
III. Confiscated, drift and waifwood	..	5	11	—4	3	359	34	— 4	16	420
IV. Revenue from forests not managed by Government	..	..	..	..	..	..	..	..	..	..
V. Rent of leased forests and payments to shareholders in forests managed by Government	..	4,740	..	2,500	..	..	..	5,512	..	12,752
VI. Live-stock, stores, tools and plant—										
(*a*) Purchase of cattle ..	10,661	..	..	..	..	..	2,581	850	..	14,092
(*b*) Feed and keep of cattle ..	..	2,603	..	8,179	..	..	10,984	8,557	1,384	31,707
(*c*) Stores, tools and plant ..	4	212	568	1,803	282	313	431	1,165	14	4,792
VII. Communications and buildings—										
(*a*) Roads and bridges ..	..	991	16,716	2,479	150	3,999	3,754	1,268	43	29,400
(*b*) Buildings ..	..	2,882	6,591	8,986	3,232	3,539	1,226	3,947	1,798	32,201
(*c*) Other works ..	..	103	525	3,649	261	52	129	729	8	5,456
VIII. Demarcation, improvement and extension of forests—										
(*a*) Demarcation ..	..	2,204	2,347	238	854	1,834	185	457	1,839	9,958
(*b*) Cost of forest settlement; compensation for land and rights ..	..	..	..	..	200	1,552	41,350	..	..	43,102
(*c*) Surveys—										
(1) Local ..	11	386	327	2,078	79	483	395	342	609	4,710
(2) India ..	* 28,000	..	..	..	..	..	..	..	..	* 28,000
(*d*) Working plans.	37	..	..	..	..	..	31	26	1	95
(*e*) Sowing and planting ..	128	4,224	115	261	..	388	1,694	10,376	144	17,330
(*f*) Protection from fire	..	1,925	1,075	2,741	1,580	1,714	6,716	2,210	1,325	19,286
(*g*) Other works ..	..	1,395	5,689	1,803	7,849	4,165	1,198	1,016	122	23,237
IX. Miscellaneous—										
(*a*) Law charges ..	3	..	..	..	..	51	..	103	63	220
(*b*) Other charges ..	595	3,931	82	1,016	101	134	488	454	154	6,955
Total A, Conservancy and works ..	11,439 / * 28,000	44,931	64,674	60,859	49,672	22,434	79,220	43,975	19,652	3,96,886 / * 28,000

* The approximate figure under sub-head VIII-(*c*) (2)—"Surveys of India" furnished by the Comptroller, India Treasuries. The actuals have not yet been intimated.

MADRAS,
31st August 1903.

(Signed) E. S. HENSMAN,
Chief Superintendent.

Summary of Expenditure of the different Districts for the Forest year 1902–1903.

Budget heads.	Northern Circle.									Central Circle.										Southern Circle.									
	Direction.	Ganjam.	Vizagapatam.	Godávari.	Kistna.	Kurnool.	Bellary.	Anantapur.	Total.	Direction.	Nellore.	Cuddapah.	Chingleput.	North Arcot.	South Arcot.	North Salem.	South Salem.	Trichinopoly.	Tanjore.	Total.	Direction.	Nilgiris.	North Coimbatore.	South Coimbatore.	Madura.	Tinnevelly.	North Malabar.	South Malabar.	South Canara.	Total.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
B.—"*Establishments.*"	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Brought forward, Total A. "Conservancy and Works."	1,003 * 19,180	18,684	12,481	43,196	29,368	79,027	40,404	11,736	2,35,904 * 19,180	1,450 * 17,700	46,814	25,462	8,535	25,819	17,806	58,871	68,287	18,398	3,273	2,74,715 * 17,700	11,439 * 28,000	44,931	64,674	60,989	49,672	22,434	79,220	43,975	19,652	3,96,886 * 28,000
I. Salaries—																														
(*a*) Conservators ...	18,085	...	...	...	...	...	...	...	18,085	19,200	...	...	...	...	...	...	...	...	...	19,200	19,777	...	...	...	...	...	...	...	...	19,777
(*b*) Superior officers ...	9,037	7,023	7,759	11,014	8,402	15,755	8,200	5,897	73,087	7,600	13,500	11,003	5,323	15,097	13,362	6,600	14,595	5,167	...	92,247	9,572	10,800	13,150	7,800	7,800	11,855	9,951	1,590	6,058	78,576
(*c*) Subordinate forest and depot establishments ...	2,013	10,064	5,822	12,410	9,872	14,928	7,279	6,546	68,934	3,166	10,710	15,588	5,124	15,859	9,878	6,523	8,508	6,399	1,967	83,722	2,993	13,112	9,102	12,985	11,312	10,011	6,518	6,502	9,573	82,108
(*d*) Office establishments.	9,346	3,113	2,166	4,616	4,056	4,514	3,081	2,331	33,223	10,133	4,645	5,004	2,087	4,475	4,507	3,129	4,483	3,031	851	42,345	9,447	3,969	4,085	3,851	3,961	3,597	3,653	2,790	4,261	39,614
(*e*) Deputation and special allowances ...	470	...	...	...	...	...	...	...	470	...	...	...	...	...	10	...	...	...	...	10	...	...	...	...	...	...	...	...	...	...
Exchange compensation allowances ...	1,194	439	491	464	509	600	412	369	4,478	1,200	...	441	...	504	675	...	699	...	...	3,519	1,547	...	821	488	488	591	484	90	303	4,812
II. Travelling allowances—																														
(*a*) Conservators ...	2,969	...	...	...	...	...	...	...	2,969	2,563	...	...	...	...	...	...	...	...	...	2,563	2,257	...	...	— 7	...	...	...	...	...	2,250
(*b*) Superior officers ...	3,075	1,378	1,124	2,866	1,685	3,230	1,682	1,258	16,298	2,112	2,124	2,750	572	2,629	1,735	1,753	2,539	679	162	17,055	2,171	923	1,934	1,156	1,660	2,213	2,125	453	1,058	13,693
(*c*) Subordinate forest and depot establishments ...	634	2,220	1,718	3,435	2,769	3,934	1,820	1,480	18,010	928	3,069	3,879	1,026	3,539	2,423	1,568	2,817	2,135	1,093	22,477	698	2,677	2,959	3,283	3,394	2,601	1,797	2,155	2,788	22,352
(*d*) Office establishments	2,113	484	273	941	807	541	594	483	6,236	1,476	815	701	251	1,138	750	330	387	556	129	6,533	1,130	186	565	359	740	539	816	442	577	5,354
Contingencies—																														
(*a*) Stationery ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
(*b*) Rents, rates and taxes	370	92	408	157	152	159	128	115	1,581	10	92	313	19	210	26	40	15	46	4	775	59	244	134	89	91	213	65	17	14	926
(*c*) Official postage ...	628	592	365	1,455	1,267	1,289	769	870	7,235	759	495	1,021	675	1,592	1,803	1,187	1,019	662	217	9,430	665	401	819	516	939	732	426	369	980	5,847
(*d*) Service telegrams.	145	42	38	49	54	89	17	22	456	148	35	44	7	183	39	17	20	23	20	536	141	23	26	16	56	66	173	81	24	606
(*e*) Sundries	2,273	637	696	1,993	967	1,051	607	515	8,739	1,896	1,330	1,088	673	1,087	752	1,090	1,339	539	136	9,930	1,396	564	1,580	476	1,145	525	1,069	742	621	8,112
Total B.—"Establishments" ...	52,352	26,084	20,860	39,400	30,540	46,090	24,589	19,886	2,59,801	51,191	36,815	41,832	15,757	46,313	35,960	22,237	36,421	19,237	4,579	3,10,342	51,847	32,899	35,175	31,012	31,586	32,945	27,077	15,231	26,257	2,84,027
Grand Total of Expenditure.	53,360 * 19,180	44,768	33,341	82,596	59,908	1,25,117	64,993	31,622	4,95,705 * 19,180	52,641 * 17,700	83,629	67,294	24,292	72,132	53,766	81,108	1,04,708	37,635	7,852	5,85,057 * 17,700	63,286 * 28,000	77,830	99,849	91,901	81,258	55,377	1,06,297	59,206	45,909	6,80,913 * 28,000

* The approximate figure under sub-head VIII (*c*) (2)—"Surveys of India" furnished by the Comptroller, India Treasuries. The actuals have not yet been intimated.

Madras,
31st August 1903.

(Signed) E. S. Hensman,
Chief Superintendent.

SUMMARY of Receipts and Expenditure during 1902–1903 for each circle and for the presidency prepared in the Board's office from the Accountant-General's statement.

Budget heads.	Northern Circle.	Central Circle.	Southern Circle.	Grand Total, Presidency.	
				1902–1903.	1901–1902.
1	2	3	4	5	6
RECEIPTS.	RS.	RS.	RS.	RS.	RS.
I. Timber and other produce removed from the forests by Government Agency—					
(a) Timber	17,607	16,895	1,27,212	1,61,714	1,46,352
(b) Firewood and Charcoal	1,24,522	2,04,162	70,933	3,99,617	2,96,357
(c) Bamboos	1,714	287	934	2,935	2,162
(d) Sandalwood	3	20,389	30,709	51,101	21,432
(e) Grass and other minor produce	298	4,955	39,418	44,671	40,663
Total, I	1,44,144	2,46,688	2,69,206	6,60,038	5,06,966
II. Timber and other produce removed from the forests by consumers or purchasers—					
(a) Timber	1,14,911	56,606	61,875	2,33,392	2,39,628
(b) Firewood and charcoal	61,762	1,53,095	1,18,186	3,33,043	3,24,672
(c) Bamboos	81,206	59,610	29,866	1,70,682	1,77,905
(d) Grazing and fodder grass	2,29,062	2,51,331	98,107	5,78,500	5,40,068
(e) Other produce	1,92,563	1,96,076	81,434	4,70,073	5,70,900
(f) Tree-owners' fees	7,621	2,437	96	10,154	..
Total, II	6,87,125	7,19,155	3,89,564	17,95,844	18,53,173
III. Confiscated drift and waifwood	5,300	3,168	3,472	11,935	15,870
V. Miscellaneous—					
(a) Fines and forfeitures	1,534	3,024	973	5,531	5,828
(b) Other sources	26,812	* 45,602	47,017	1,19,431	1,14,657
Total, V	28,346	48,626	47,990	1,24,962	1,20,485
Grand Total, Receipts	8,64,915	10,17,632	7,10,232	25,92,779	24,96,494
EXPENDITURE.					
A.—Conservancy and Works.					
Refunds	4,158	7,704	4,638	16,500	26,812
I. Timber and other produce removed from the forests by Government Agency—					
(a) Timber	12,368	3,882	33,121	49,371	58,280
(b) Firewood	64,222	1,29,131	43,985	2,37,338	1,96,630
(c) Bamboos	911	101	954	1,966	1,348
(d) Sandalwood	140	926	11,696	12,762	7,338
(e) Grass and other minor produce	223	2,679	25,181	28,083	20,960
Total, A-I	77,864	1,36,719	1,14,937	3,29,520	2,84,556
II. Timber and other produce removed from the forests by consumers or purchasers	53,116	33,102	21,598	1,07,726	1,06,056
III. Confiscated drift and waifwood	1,053	51	420	1,524	1,789
V. Rent of leased forests and payments to shareholders in forests managed by Government	10,400	..	12,752	23,152	20,708
VI. Live-stock, stores, tools and plant—					
(a) Purchase of cattle	870	..	14,092	14,962	3,780
(b) Feed and upkeep of cattle	7,154	..	31,707	38,861	35,666
(c) Stores, tools and plant	2,273	6,890	4,792	13,955	17,098
Total, A-VI	10,297	6,890	50,591	67,778	56,544
VII. Communications and buildings—					
(a) Roads and bridges	7,025	7,179	29,400	43,604	54,010
(b) Buildings	14,330	7,208	32,201	53,739	48,837
(c) Other works	3,406	944	5,456	9,806	10,991
Total, A-VII	24,761	15,331	67,057	1,07,149	1,13,838
VIII. Demarcation, improvement and extension of forests—					
(a) Demarcation	7,721	4,304	9,958	21,983	30,549
(b) Cost of forest settlement, compensation for land and rights	2,567	261	43,102	45,930	4,284
(c) (1) Local surveys	5,610	4,199	4,710	14,519	11,787
(c) (2) Surveys of India	(a) 19,180	(a) 17,700	(a) 28,000	(a) 64,880	62,125
(d) Working plans	655	638	95	1,388	2,282
(e) Sowing and planting	10,220	15,815	17,330	43,365	43,877
(f) Protection from fire	8,119	13,637	19,286	41,042	38,138
(g) Other works	18,943	35,510	23,237	77,690	76,477
Total, A-VIII	53,835 (a)19,180	74,364 (a) 17,700	1,17,718 (a) 28,000	2,45,917 (a) 64,880	2,69,519

* Out of this amount, Rs. 10,630 relate to the revenue of the Southern Circle realized in the Central Circle.

(a) Approximate figures under A-VIII (c) (2)—"Surveys of India" furnished by the Comptroller, India Treasuries. The actuals have not yet been intimated.

Summary of Receipts and Expenditure during 1902–1903 for each circle and for the presidency prepared in the Board's office from the Accountant-General's statement—*cont.*

Budget heads.	Northern Circle.	Central Circle.	Southern Circle.	Grand Total, Presidency.	
				1902–1903.	1901–1902.
1	2	3	4	5	6
EXPENDITURE—*cont.*					
A.—Conservancy and Works—cont.	Rs.	Rs.	Rs.	Rs.	Rs.
IX. Miscellaneous—					
(*a*) Law charges	33	152	220	405	612
(*b*) Other charges	387	402	6,955	7,744	6,791
Total, A-IX ..	420	554	7,175	8,149	7,403
Total, A.—Conservancy and Works ..	2,35,904 *19,180	2,74,715 *17,700	3,96,886 *28,000	9,07,505 *64,880	8,87,225
B.—Establishments.					
1. Salaries—					
(*a*) Conservators	18,085	19,200	19,777	57,062	52,156
(*b*) Superior officers	73,087	92,247	78,576	2,43,910	2,45,055
(*c*) Subordinate forest and depot establishments.	68,934	83,722	82,108	2,34,764	2,34,157
(*d*) Office establishments	33,223	42,345	39,614	1,15,182	1,13,650
(*e*) Deputation and special allowances	470	10	..	480	..
(*f*) Exchange compensation allowance	4,478	3,519	4,812	12,809	13,410
Total, B-I ..	1,98,277	2,41,043	2,24,887	6,64,207	6,58,428
II. Travelling allowances—					
(*a*) Conservators	2,969	2,563	2,250	7,782	8,518
(*b*) Superior officers	16,298	17,055	13,693	47,046	48,568
(*c*) Subordinate forest and depot establishments.	18,010	22,477	22,352	62,839	66,749
(*d*) Office establishments	6,236	6,533	5,354	18,123	20,298
Total, B-II ..	43,513	48,628	43,649	1,35,790	1,44,133
III. Contingencies—					
(*a*) Stationery	..	..	..	..	..
(*b*) Rents, rates and taxes	1,581	775	926	3,282	3,627
(*c*) Official postage and service telegrams ..	7,691	9,966	6,453	24,110	23,034
(*d*) Sundries	8,739	9,930	8,112	26,781	29,674
Total, B-III ..	18,011	20,671	15,491	54,173	56,335
Total, B.—Establishments ..	2,59,801	3,10,342	2,84,027	8,54,170	8,58,896
Grand Total, Expenditure ..	4,95,705 *19,180	5,85,057 *17,700	6,80,913 *28,000	17,61,675 *64,880	17,46,121
Surplus ..	3,50,030	4,14,875	1,319	7,66,224	7,50,373
Deficit ..	..	..	..	..	..
Total ..	8,64,915	10,17,632	7,10,232	25,92,779	24,96,494

* Approximate figures under VIII (*e*) (2)—"Surveys of India" furnished by the Comptroller, India Treasuries. Actuals have not yet been intimated.

ANNUAL FORM No. 60.

Forest Department, Madras Presidency.

OUTSTANDINGS and Liabilities on account of Contractors and Disbursers for the Forest year 1902–1903.

	District.	Department Debtor.			Department Creditor.			Balance Due	
		At commencement of year.	Recoveries in cash and value of supplies and work done during the year.	At close of year.	At commencement of year.	Payments made during year.	At close of year.	To department (outstandings).	By department (liabilities).
			RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	
Northern Circle.	Conservator, Northern Circle	..	8,273 3 7	8,273 3 7	32 13 5	8,304 15 11	8,337 13 4	64 9 9	..
	Forest Settlement-officer, Kistna, &c., districts	..	526 2 6	526 2 6	43 3 2	513 4 8	556 7 10	30 5 4	..
	Working Plans Officer, Northern Circle	..	1 10 3	1 10 3	1 10 3	..	1 10 3	..	..
	Ganjám	..	37,314 5 7	37,314 5 7	1,225 13 6	37,597 13 2	38,823 10 8	1,509 5 1	..
	Vizagapatam	..	22,080 8 2	22,080 8 2	247 3 0	22,309 15 10	22,557 2 10	476 10 8	..
	Gódávari	..	71,936 5 5	71,936 5 5	1,829 14 2	72,737 12 1	74,567 10 3	2,631 4 10	..
	Kistna	..	49,184 6 10	49,184 6 10	1,047 12 9	49,514 11 2	50,562 7 11	1,378 1 1	..
	Kurnool	..	1,20,173 14 8 + 48 4 0	1,20,222 2 8	3,847 2 5	1,19,944 12 1	1,23,791 14 6	3,569 11 10	..
	Bellary	..	48,311 3 8	48,311 3 8	2,041 10 8	49,517 10 10	51,559 5 6	3,248 1 10	..
	Anantapur	..	20,953 9 0	20,953 9 0	1,256 3 4	20,183 11 0	21,439 14 4	486 5 4	..
	Total	..	3,78,803 9 8	3,78,803 9 8	11,573 6 8	3,80,624 10 9	3,92,198 1 5	13,394 7 9	..
Central Circle.	Conservator, Central Circle	..	1,843 11 10	1,843 11 10	479 1 4	1,399 1 10	1,878 3 2	34 7 4	..
	Forest Settlement-officer, Trichinopoly, &c., districts	..	272 12 6	272 12 6	62 11 6	257 5 1	320 0 7	47 4 1	..
	Working Plans Officer, Central Circle	..	1,198 5 6	1,198 5 6	14 13 7	1,212 11 7	1,227 9 2	29 3 8	..
	Nellore	..	64,455 13 8	64,455 13 8	1,996 0 9	63,546 7 7	65,542 8 4	1,086 10 8	..
	Cuddapah	..	56,831 13 6	56,831 13 6	776 0 7	56,581 14 6	57,357 15 1	526 1 7	..
	Chingleput	..	17,743 2 5	17,743 2 5	228 7 11	17,849 9 2	18,078 1 1	334 14 8	..
	North Arcot	..	60,896 11 10	60,896 11 10	2,443 4 5	59,981 10 4	62,424 14 9	1,528 2 11	..
	South Arcot	..	36,887 8 11	36,887 8 11	803 3 7	36,662 13 7	37,466 1 2	578 8 3	..
	North Salem	..	33,458 7 2	33,458 7 2	1,195 12 5	33,536 1 5	34,731 13 10	1,273 6 8	..
	South Salem	..	99,743 13 4	99,743 13 4	2,183 5 10	99,587 0 4	1,01,770 6 2	2,026 8 10	..
	Trichinopoly	..	24,241 1 11	24,241 1 11	686 15 11	24,548 8 6	25,235 8 5	994 6 6	..
	Tanjore	..	8,019 11 9	8,019 11 9	323 15 10	8,254 4 1	8,578 3 11	558 8 2	..
	Total	..	4,05,593 2 4	4,05,593 2 4	11,193 13 8	4,03,417 8 0	4,14,611 5 8	9,018 3 4	..
Southern Circle.	Conservator, Southern Circle	..	8,711 3 8	8,711 3 8	21 14 11	8,713 14 9	8,735 13 8	24 10 0	..
	Forest Settlement-officer, Trichinopoly, &c., districts	..	272 12 6	272 12 6	37 14 6	257 5 2	295 3 8	22 7 2	..
	Working Plans Officer, Southern Circle	..	301 12 7	301 12 7	— 2 8 0	325 11 2	323 3 2	21 6 7	..
	Nilgiris	..	59,554 2 2	59,554 2 2	1,686 12 1	59,405 7 7	61,092 3 8	1,538 1 6	..
	North Coimbatore	..	1,06,593 0 5	1,06,593 0 5	4,424 7 4	1,05,373 5 10	1,09,797 13 2	3,204 12 9	..
	South Coimbatore	..	71,307 1 10	71,307 1 10	1,632 3 9	75,203 0 11	76,835 3 11	5,528 2 1	..
	Madura	..	45,593 15 6	45,593 15 6	312 8 1	46,245 11 2	46,558 3 3	964 3 9	..
	Tinnevelly	..	48,097 12 4	48,097 12 4	1,828 0 6	48,101 7 5	49,929 7 11	1,831 11 7	..
	North Malabar	..	45,207 10 4	45,207 10 4	2,684 10 8	44,557 15 4	47,242 10 0	2,034 15 8	..
	South Malabar	..	55,841 0 4	55,841 0 4	1,030 15 3	56,011 13 8	57,042 12 11	1,201 12 7	..
	South Canara	..	33,610 2 10	33,610 2 10	888 7 1	33,385 1 5	34,273 8 6	663 5 8	..
	Total	..	4,75,090 10 6	4,75,090 10 6	14,545 5 5	4,77,580 14 5	4,92,126 3 10	17,035 9 4	..

MADRAS,
31st August 1903.

(Signed) E. S. HENSMAN,
Chief Superintendent.

ANNUAL FORM No. 61.

Forest Department, Madras Presidency.

REVENUE received and Outstandings on account of Revenue during the Forest year 1902–1903.

District.	Particulars.	Outstandings at commencement of the year.	Value of sales and other revenue during year.	Total.	Amount realized during year.	Outstandings at the end of year.
		Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.
Direction	Timber and other forest produce ..	..	3 0 0	3 0 0	3 0 0	..
Ganjām	Do. do.	180 3 1	52,335 6 10	52,515 9 11	52,218 0 0	297 9 11
Vizagapatam	Do. do.	712 0 0	43,482 12 6	44,194 12 6	43,227 0 0 (a)+ 9 4 0 (b)+ 0 8 0	967 12 6
Gódávari	Do. do.	1,935 15 6	1,73,136 10 0	1,75,072 9 6	1,72,464 0 0 (b)+ 39 8 0	2,608 9 6
Kistna	Do. do.	1,117 8 10	1,53,958 0 5	1,55,075 9 3	1,53,573 0 0	1,502 9 3
Kurnool	Do. do.	6,582 0 8	2,26,694 14 1	2,33,276 14 9	2,31,436 0 0 (c) + 1,233 8 0	1,840 14 9
Bellary	Do. do.	17,144 13 2	1,38,321 15 10	1,55,466 13 0	1,34,113 0 0	* 21,353 13 0
Anantapur	Do. do.	16,846 2 6	84,886 8 6	1,01,732 11 0	77,881 0 0	*23,851 11 0
	Total ..	44,518 11 9	8,72,819 4 2	9,17,337 15 11	8,64,915 0 0	52,422 15 11
Direction	Timber and other forest produce ..	..	19 0 0	19 0 0	19 0 0	..
Nellore	Do. do.	8,517 6 10	1,69,715 9 10	1,78,233 0 8	1,54,284 0 0	†23,675 13 4 273 3 4
Chingleput	Do. do.	1,516 3 0	45,398 1 8	46,914 4 8	44,633 0 0 (d)+ 51 0 0	† 1,915 4 8 315 0 0
Cuddapah	Do. do.	3,240 6 0	1,29,736 13 6	1,32,977 3 6	1,23,368 0 0	9,609 3 6
North Arcot	Do. do.	32,729 9 9 (h)— 268 10 11	1,17,713 2 9	1,50,173 6 7	1,21,241 0 0	†27,896 6 2 1,036 0 5
South Arcot	Do. do.	2,838 1 7	1,20,096 2 1	1,22,934 3 8	1,19,296 0 0 (e)+ 369 13 9 (f)+ 12 2 7	† 1,405 13 4 1,850 6 0
Tanjore	Do. do.	2,061 14 8 (i)— 401 12 3	24,185 13 0	25,845 15 0	24,174 0 0	1,671 15 0
Trichinopoly	Do. do.	9,051 8 5 (j)—2,522 15 8	91,466 11 4	97,995 4 1	91,158 0 0	6,837 4 1
South Salem	Do. do.	10,124 3 0	1,93,635 5 3	2,03,759 8 3	1,82,939 0 0	†14,841 8 11 5,978 15 4
North Salem	Do. do.	5,115 5 6 (k)— 17 8 0	1,54,994 6 6	1,60,092 4 0	1,56,520 0 0 (g)+ 28 8 0	3,543 12 0
	Total ..	75,194 10 4 —3,241 9 10	10,46,961 1 11	11,18,944 2 5	10,17,632 0 0 + 461 8 4	1,00,850 10 1
Direction	Timber and other forest produce ..	..	89 0 0	89 0 0	89 0 0	..
South Canara	Do. do.	12,328 0 0 (l) — 110 0 0	53,956 0 0	66,174 0 0	61,096 0 0 (o)+ 3 0 0	5,075 0 0
North Malabar	Do. do.	4,232 0 0 (m)—1,493 0 0	76,538 0 0	79,277 0 0	68,987 0 0	10,290 0 0
South do.	Do. do.	1,117 0 0	69,531 0 0	70,648 0 0	70,172 0 0	476 0 0
The Nilgiris	Do. do.	3,737 0 0	47,047 0 0	50,784 0 0	53,452 0 0	332 0 0
North Coimbatore ..	Do. do.	1,544 0 0	1,29,430 0 0	1,30,974 0 0	1,30,283 0 0	691 0 0
South do.	Do. do.	3,903 0 0 (n) — 31 0 0	1,01,055 0 0	1,04,927 0 0	1,03,780 0 0	1,147 0 0
Madura	Do. do.	11,331 0 0	1,31,182 0 0	1,42,513 0 0	1,40,007 0 0	2,506 0 0
Tinnevelly	Do. do.	15,405 0 0	76,378 0 0	91,783 0 0	74,736 0 0 (p)+ 163 0 0	16,884 0 0
	Total ..	53,597 0 0 — 1,634 0 0	6,85,206 0 0	7,37,169 0 0	6,99,602 0 0 + 166 0 0	37,401 0 0

* Partially since adjusted.

† Lease amounts outstanding to be collected after 30th June 1903.

(a) Written off under Govt. Order, No. 746, Rev., dated 22nd August 1902, in Board's Procs., No. 204, dated 8th September 1902.
(b) Do. do. No. 205, ,, 26th February 1903, ,, No. 41, dated 17th March 1903.
(c) Do. do. No. 470, ,, 9th May 1903, ,, No. 95, dated 28th May 1903.
(d) Do. do. No. 746, Land Rev., dated 22nd Aug 1902, in Board's Procs., Forest No. 204, dated 8th Sept. 1902
(e) Do. do. do. do.
(f) Do. do. Mis. No. 2622, dated 4th November 1902.
(g) Do. do. No. 205, Rev., dated 26th February 1903, in Board's Procs., No. 41, dated 17th March 1903.
(h) Deduction on account of the following :—

	Rs. A. P.
Amount written off under Govt. Order, No 781, dated 17th November 1899, in Board's Procs., No. 300, dated 7th December 1899	198 0 0
Erroneous demand	70 10 11
	268 10 11

(i) Deduction due to erroneous inclusion of outstanding amounts in forest returns.
(j) Do. do. and to erroneous demand.
(k) Deduction due to cancellation of lease.
(l) Deduction due to—

	Rs.
Cancellation of sales	63
Already collected in the previous year but not shown as collection of outstanding	47
	110

(m) Deducted from demand for want of produce for removal.
(n) Deduction due to—

	Rs.
Erroneously shown as demand in excess	27
Dificiency in the quantity of produce actually delivered	4
	31

(o) Written off the accounts under Govt. Order, No. 746, Rev, dated 22nd August 1902.
(p) Do. do. No. 468 ,, ,, 28th May 1902.

ANNUAL FORM No. 62.

Forest Department, Madras Presidency.

Financial Results of the year 1902–1903.

Districts.	Timber and other produce removed from the forests by Government Agency.		Other revenue.		Formation, protection and improvement of forests.	Total.	
	Receipts.	Charges.	Receipts.	Charges.	Charges.	Receipts.	Charges.
Northern Circle.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
Ganjám	7,663	6,633	44,555	22,732	20,405	52,218	49,770
Vizagapatam	7,936	5,731	* 35,294	18,139	12,806	43,230	36,676
Gódávari	12,640	7,992	1,59,824	55,007	29,602	1,72,464	92,601
Kistna	4,141	3,197	1,49,432	29,545	35,504	1,53,573	68,246
Kurnool	99,357	50,002	1,32,079	56,826	29,961	2,31,436	1,36,789
Bellary	15,862	21,851	1,18,251	25,769	25,711	1,34,113	73,331
Anantapur	360	106	77,521	24,122	14,064	77,881	38,292
Total ..	1,47,959	95,512	* 7,16,956	2,32,140	1,68,053 + (c)19,180	*8,64,915	4,95,705 + (c) 19,180
Central Circle.							
Cuddapah	14,893	8,770	1,08,475	41,643	27,742	1,23,368	78,154
Nellore	31,388	26,219	1,22,896	30,211	32,318	1,54,284	88,748
Chingleput	3,942	1,647	40,691	13,841	11,363	44,633	26,851
North Arcot	6,558	6,138	1,14,683	33,253	40,420	1,21,241	79,811
South do.	929	4,093	1,18,367	26,878	30,474	1,19,296	61,445
North Salem	80,713	52,619	75,807	17,139	17,277	1,56,520	87,035
South do.	82,377	62,926	1,00,581	25,563	22,637	(b) 1,82,958	1,11,126
Trichinopoly	20,486	12,028	70,672	16,695	14,031	91,158	42,754
Tanjore	3,824	1,584	20,350	4,635	2,913	24,174	9,132
Total ..	2,45,110	1,76,024	7,72,522	2,09,858	1,99,175 + (c)17,700	10,17,632	5,85,057 + (c)17,700
Southern Circle.							
South Canara	21,465	21,592	39,642	13,054	15,152	61,107	49,798
North Malabar	50,622	31,524	18,376	1,042	82,596	68,998	1,15,162
South do.	35,793	29,586	34,390	423	37,416	70,183	67,425
The Nilgiris	28,868	46,478	21,595	4,294	36,850	50,463	87,622
North Coimbatore ..	45,324	46,259	84,970	6,040	55,884	1,30,294	1,08,183
South do. ..	34,633	53,493	69,159	11,087	40,037	1,03,792	1,04,617
Madura	49,652	54,167	90,366	8,617	25,276	1,40,018	88,060
Tinnevelly	2,849	5,211	71,898	7,307	47,528	74,747	60,046
Total ..	2,69,206	2,88,310	4,30,396 + (a)10,630	51,864	3,40,739 + (c)28,000	6,99,602 (a) 10,630	6,80,913 + (c)28,000
Grand Total ..	6,62,275	5,59,846	19,30,504	4,93,862	7,07,967 + (c)64,880	25,92,779	17,61,675 + (c)64,880

* Includes Rs. 3 realized under "Direction V (*b*)."

(*a*) Revenue of the Southern Circle realized in the Central Circle.

(*b*) Includes Rs. 19 realized under "Direction".

(*c*) Approximate figure under A VIII (*c*) (2)—"Surveys of India" furnished by the Comptroller, India Treasuries. The actuals have not yet been intimated.

ANNUAL FORM No. 63.

Forest Department, Madras Presidency.

STATEMENT of Elephants during the year 1902–1903.

District.	Names.	When purchased or otherwise obtained by Government.	Cost of monthly keep, including servants and food.			
1	2	3	4			
				RS.	A.	P.

PART I.

Elephants in possession of the Reporting Officers throughout the year.

Vizagapatam ..	Ethel	Transferred from the Southern Circle on 3rd December 1897.	Per head ..	58	0	0
Gódávari ..	Surat Pari	Purchased in November 1894 at Sonepur fair.	Do. ..	58	6	4
Kurnool	1. Byragi Piari	Do. do.	Do. ..	46	1	4
	2. Captain Gunning ..	Purchased in July 1888	Do. ..	63	10	10
South Canara ..	1. Mohideen Khan ..	Transferred from North Malabar on 3rd September 1897.	Do. ..	43	4	9
	2. Padmini			44	4	1
	3. Chamundi	Transferred from North Malabar on 10th September 1900.	Do. ..	27	11	8
North Malabar ..	1. Phyllis	Purchased in January 1878	Do. ..	40	4	11
	2. Kaliani	Purchased in October 1889	Do. ..	47	8	6
	3. Krishna	Captured in March 1896	Do. ..	47	6	7
	4. Chákravarthini ..	Do. in March 1898	Do. ..	48	6	8
	5. Emily	Do. in June 1899	Do. ..	40	6	3
	6. Sivajee	Do. in February 1900	Do. ..	47	6	5
	7. Nadir Shah	Do. in March 1900	Do. ..	46	7	5
	8. Abdur Rahiman ..	Do. in April 1900	Do. ..	44	1	5
	9. Meenatchi	Transferred in July 1899 from the Nilgiris.	Do. ..	40	1	10
	10. Isabella	Captured in February 1898	Do. ..	44	13	3
	11. Peri	Do. on April 1889	Do. ..	49	4	7
	12. Dost-i-Jehan	Born in February 1902	Do. ..	26	12	3
	13. Sutlej	Captured in February 1902	Do. ..	43	8	11
	14. Beas	Do. in February 1902	Do. ..	43	1	6
	15. Ravi	Do. in March 1902	Do. ..	46	5	6
	16. Jhelam	Do. in June 1902	Do. ..	30	15	1
South Malabar ..	1. Vixen	Transferred from Wynaad in 1882 ..	Do. ..	39	8	4
	2. Peyru					
	3. Samson	Purchased from Mr. Morgan in 1885..				
	4. Eva					
	5. Theebaw	Captured on 3rd January 1886 ..				
	6. Juno	Do. on 17th February 1886 ..				
	7. Jupiter	Do. on 9th January 1887				
	8. Maharajah	Transferred from Wynaad on 29th September 1888.				
	9. Gordon	Captured on 11th February 1889 ..				
	10. Loo	Do. on 21st April 1890				
	11. Hercules	Do. on 24th December 1890 ..				
	12. Tippoo	Do. on 25th February 1893 ..				
	13. Nurmahal	Transferred from North Malabar on 5th November 1898.				
	14. Kunhi Raman ..	Captured on 15th February 1900 ..				
	15. Flora	Do. on 11th March 1902				
	16. Nellie	Do. on 19th March 1902				
The Nilgiris ..	1. Big Lakshmi	Transferred from the Anamalais on the 30th January 1882	Do. ..	50	9	0
	2. Chinna Lakshmi ..					
	3. Nilambur Lakshmi ..	Purchased in September 1894				
	4. Bessie (calf)	Born on 3rd July 1899				
South Coimbatore.	1. Karthiyayini ..	Transferred from South Malabar in August 1898.	Do. ..	47	7	1
	2. Akbar Bakeh	Transferred from the Nilgiris on 25th July 1899.				
	3. Zehara					
	4. Parvati	Received back from Public Works Department on 3rd April 1901.				
	5. Kunjunni					
	6. Lala meah	Transferred from North Malabar on 20th June 1902.				
	7. Shah Jehan					
	8. Seeta					
	9. Zelica					
	10. Bakto					

Statement of Elephants during the year 1902–1903—*cont.*

District.	Names.	When purchased or otherwise obtained by Government.	Cost of keep, including servants and food.				How disposed of.
1	2	3	4				5

Part II.

Elephants received in the year.

				Rs.	A.	P.	
North Malabar.	1. Bakr Ali ..	Captured in February 1903.	..	142	15	0	....
	2. Habib-ul-lah ..	Do. in April 1903 ..	..	74	4	11	....
	3. Hubbard ..	Do. in May 1903 ..	..	125	13	4	....
	4. Ganga	Do. in June 1903 ..	..	21	15	11	....
	5. Jumna	Do. do. ..	..	21	15	11	....
	6. Sikandur ..	Do. do. ..	..	16	4	0	....
	7. Indus	Do. do. ..	..	9	7	6	....
	8. Kavery	Do. do. ..	..	7	5	3	....
	9. Kabini	Do. do. ..	..	9	10	8	....
	10. Bhavani ..	Do. do. ..	..	..			....
South Malabar.	1. Alexandra ..	Captured on 12th January 1903.	..	1,177	8	7	....
	2. Govindan ..	Captured on 7th March 1903.					
	3. Lydia	Transferred from the Military department.					
	4. Cheman pyree ..						
	5. Empress ..						
The Nilgiris.	1. Begum	Transferred from Nilambur on 23rd June 1903.	1st June 1903.	15	4	8	(For 8 days from 23rd June 1903).
	2. Jampiara ..						
South Coimbatore.	1. Chumbee ..	Received from North Malabar on 26th June 1903.	..	219	8	4	....
	2. Lakshmi ..						
	3. Nurjehan ..						
	4. Dodamari ..						

Part III.

Elephants gone off the list during the year.

				Rs.	A.	P.	
North Malabar.	1. Scindia	Captured in April 1900 ..	..	162	15	11	Sold in auction in October 1902.
	2. Paddy	Born in August 1899 ..	..	99	7	10	
	3. Chenab	Do. 1902 ..	..	118	5	2	
	4. Holkar		..	140	14	8	
	5. Pyramus ..	Captured in April 1897 ..	..	513	14	5	Died in June 1903.
South Malabar.	1. Lakshmi ..	Captured on 7th May 1902 ..	July, August and September 1902.	45	3	11	Sold in auction on 5th November 1902 for Rs. 700.
				*39	6	6	
South Coimbatore.	1. Sinna Rani	Transferred from South Malabar on 9th August 1891.	..	479	13	1	Died on 10th June 1903.
	2. Meenatchi	Captured on 9th September 1901.	..	148	4	9	Died on 28th October 1902.

* Cost of feeding for the months of October and for the first few days of November.

ANNUAL FORM.

Forest Department,

ABSTRACT showing the Value of Live-stock,

Districts.	Surveying, etc., instruments				Tools			
	On hand at the commencement of the year.		On hand at the end of the year.		On hand at the commencement of the year.		On hand at the end of the year.	
	Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.
1	2	3	4	5	6	7	8	9
Northern Circle.		RS.		RS.		RS.		RS.
Direction	45	712	45	650	11	9	11	6
Ganjám	56	560	57	562	334	239	485	357
Vizagapatam	35	905	35	789	248	538	231	462
Gódávari	125	848	121	903	1,084	2,363	1,212	2,125
Kistna	75	911	77	1,040	431	294	320	261
Kurnool	110	825	166	778	839	874	905	887
Bellary	157	338	157	316	416	405	421	408
Anantapur	50	224	56	232	179	137	211	217
Total, Northern Circle ..	653	5,323	714	5,270	3,542	4,859	3,796	4,723
Central Circle.								
Direction	46	818	51	865	6	11	6	10
Cuddapah	87	978	104	845	447	1,084	447	683
Nellore	161	1,530	154	1,269	821	1,413	724	958
Chingleput	51	518	46	500	475	677	465	606
North Arcot	188	1,412	187	1,339	1,679 cwt. 32·94	2,376	1,840 cwt. 32·94	2,456
South do.	104	976	103	1,110	237	10	174	..
North Salem	63	500	76	570	972	706	854	643
South do.	101	1,000	99	940	1,691	1,260	1,749	1,400
Trichinopoly	43	222	47	204	176	104	183	174
Tanjore	20	75	25	65	45	25	57	21
Total, Central Circle ..	864	8,029	892	7,707	6,549 cwt. 32·94	7,666	6,499 cwt. 32·94	6,951
Southern Circle.								
Direction	50	715	56	818	7	48	14	51
South Canara	116	789	214	803	434	566	418	457
North Malabar	25	850	38	952	369	1,180	513	733
South do.	36	543	35	496	726	419	593	336
The Nilgiris	116	986	110	976	771	1,022	692	975
North Coimbatore	77	767	75	733	880	1,066	906	1,086
South do.	79	779	77	697	1,906	2,931	1,965	2,594
Madura	124	2,172	111	1,704	257	322	249	200
Tinnevelly	128	622	117	438	440	92	441	139
Total, Southern Circle ..	751	8,223	833	7,617	5,790	7,646	5,791	6,571
Grand Total, Presidency ..	2,268	21,575	27,439	20,594	15,881 cwt. 32·94	20,171	16,086 cwt. 32·94	18,245

N.B.—The variations in the figures between the closing balance of the previous year's return and the opening balance of the year under report has not been explained in many districts.

No. 64.

Madras Presidency.

Stores, Tools and Plant for 1902–1903.

Machinery				Furniture				Building materials, small stores, tents, boats, etc.			
On hand at the commencement of the year.		On hand at the end of the year.		On hand at the commencement of the year.		On hand at the end of the year.		On hand at the commencement of the year.		On hand at the end of the year.	
Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.
10	11	12	13	14	15	16	17	18	19	20	21
	Rs.		Rs.		Rs.		Rs.		Rs.		Rs.
..	..	..	..	114	655	118	700	16	1,072	16	900
..	..	..	..	203	1,696	239	1,857	..	..	..	..
..	..	..	..	..	..	..	..	..	..	..	..
..	..	..	..	620	3,263	620	2,904	38	{ 3,251 / 3,505 }	34	5,961
..	..	..	..	175	632	175	579	9	3,614	9	3,563
..	..	..	..	155	526	157	568	9	2,069	10	2,176
..	..	..	..	72	414	74	400	12	1,385	12	1,340
..	..	..	..	213	764	233	782	10	1,290	10	1,155
..	..	..	..	1,552	7,950	1,616	7,790	94	16,186	91	15,095
..	..	..	..	135	556	130	524	8	580	8	522
1	27	1	31	205	929	216	911	29	2,063	29	1,888
..	15,362	..	17,719	165	1,467	194	1,375	10	1,200	10	1,081
..	..	..	..	192	994	199	1,020	8	1,016	8	925
26	531	26	504	890	3,005	924	3,035	18	1,998	19	2,184
5	137	5	158	196	931	198	1,073	17	1,946	17	1,946
..	..	..	..	161	550	234	700	9	564	13	1,100
5	300	5	285	399	1,450	433	1,550	..	..	..	..
..	..	..	..	155	861	175	715	12	1,748	12	1,420
..	..	..	..	53	361	55	296	..	..	..	..
37	16,357	37	18,697	2,551	11,104	2,758	11,199	111	11,115	116	11,066
..	..	..	..	124	1,075	210	1,483	6	662	6	629
..	..	..	..	194	1,361	201	1,437	14	1,631	14	1,631
..	..	..	..	136	900	136	579	4	685	4	580
25	94	26	69	146	923	186	1,021	4	233	7	609
1	150	1	120	172	1,079	177	980	9	900	8	790
..	..	..	..	268	564	297	857	92	795	96	1,038
338	2,035	341	1,426	..	..	..	..	13	1,420	13	1,155
5	6	5	6	275	2,119	381	2,105	1,352	805	1,259	437
..	..	..	..	554	615	544	506	24	547	24	516
369	2,285	373	1,621	1,859	8,636	2,132	8,968	1,518	7,678	1,431	7,387
406	18,642	410	20,318	5,962	27,690	6,506	27,957	1,723	34,979	1,638	33,548

Abstract showing the Value of Live-stock

Districts.	Buildings				Live-stock			
	On hand at the commencement of the year.		On hand at the end of the year.		On hand at the commencement of the year.		On hand at the end of the year.	
	Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.
	22	23	24	25	26	27	28	29
Northern Circle.		Rs.		Rs.		Rs.		Rs.
Direction	..	..	..	..	..	..	..	..
Ganjám	45	17,782	48	17,105	..	..	..	..
Vizagapatam	..	..	..	..	..	..	..	..
Gódávari	93	33,600	97	31,304	1	..	1	900
Kistna	66	12,057	61	11,498	..	..	..	..
Kurnool	54	36,170	54	34,762	66	4,841	97	6,030
Bellary	26	4,336	26	3,982	52	1,730	44	1,698
Anantapur	11	..	12	13,310	..	..	..	..
Total, Northern Circle ..	295	1,03,945	298	1,11,961	119	6,571	142	8,628
Central Circle.								
Direction	..	..	..	..	..	..	..	..
Cuddapah	117	21,137	122	19,439	2	56	2	56
Nellore	9	6,171	9	6,714	..	..	..	..
Chingleput	20	6,165	25	6,357	..	..	..	..
North Arcot	122	17,458	137	16,930	..	..	..	..
South do.	43	16,358	18	16,310	..	..	..	..
North Salem	15	8,000	15	7,500	..	..	..	..
South do.	16	9,000	19	8,900	..	..	..	..
Trichinopoly	8	4,072	8	3,814	..	..	..	..
Tanjore	7	566	7	360	..	..	..	..
Total, Central Circle ..	357	88,927	360	85,824	2	56	2	56
Southern Circle.								
Direction	..	..	..	..	..	..	..	..
South Canara	19	9,965	22	11,204	3	5,000	3	5,000
North Malabar	..	..	..	..	22	33,650	28	43,540
South do.	(a) 25	33,344	30	35,171	18	26,612	19	28,812
The Nilgiris	76	9,970	73	8,155	4	3,800	6	6,500
North Coimbatore	71	29,284	75	29,485	..	..	..	..
South do.	80	40,786	85	35,592	..	..	..	..
Madura	56	31,254	46	26,665	..	..	..	..
Tinnevelly	60	24,789	63	27,365	..	..	..	..
Total, Southern Circle ..	387	1,79,392	394	1,73,637	47	69,062	56	83,852
Grand Total, Presidency ..	1,039	3,72,264	1,052	3,71,422	168	75,689	200	92,536

(a) Revised figures reported by Collector.

Stores, Tools and Plant for 1902–1903—*cont.*

Miscellaneous.				Total.					
On hand at the commencement of the year.		On hand at the end of the year.		On hand at the commencement of the year.		On hand at the end of the year.		Difference in value.	
Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.	In favour of the year.	Against the year.
30	31	32	33	34	35	36	37	38	39
	Rs.		Rs.		Rs.		Rs.	Rs.	Rs.
4	100	4	96	190	2,548	194	2,352	..	196
..	..	..	..	638	20,277	829	19,881	..	396
47	115	57	69	330	1,558	323	1,320	..	238
570	805	555	619	2,531	47,635	2,640	44,716	..	2,919
..	..	..	..	756	17,508	642	16,941	..	567
63	565	351	768	1,296	45,870	1,740	45,969	99	..
47	111	47	104	782	8,719	781	8,248	..	471
29	5	3	..	492	2,420	525	15,696	13,276	..
760	1,701	1,017	1,656	7,015	1,46,535	7,674	1,55,123	8,588	..
93	475	94	446	288	2,440	289	2,367	..	73
177	251	234	241	1,065	26,525	1,155	24,094	..	2,431
401	4,163	408	6,108	1,567	31,306	1,499	35,224	3,918	..
..	..	..	..	746	9,370	743	9,408	38	..
..	..	..	..	2,923 cwt. 32·94	26,780	3,133 cwt. 32·94	26,448	..	332
1,420	999	1,254	820	2,022	21,357	1,769	21,417	60	..
..	..	..	..	1,220	10,320	1,192	10,513	193	..
(b) 26	(b) 1,200	(b) 26	(b) 1,100	2,238	14,210	2,331	14,175	..	35
2,130	749	2,130	602	2,524	7,756	2,555	6,429	..	1,327
43	377	47	346	168	1,404	191	1,088	..	316
4,290	8,214	4,193	9,663	14,761 cwt. 32·94	1,51,468	14,857 cwt. 32·94	1,51,163	..	305
555	602	546	570	742	3,102	832	3,551	449	..
569	1,122	560	1,105	1,349	20,434	1,432	21,637	1,203	..
..	..	..	..	556	37,265	719	46,384	9,119	..
(a) 327	1,481	291	1,615	1,307	63,649	1,187	68,129	4,480	..
111	176	94	86	1,260	18,083	1,161	18,582	499	..
176	475	175	379	1,554	32,951	1,624	33,578	627	..
144	691	172	955	2,560	48,642	2,653	42,419	..	6,223
..	..	..	..	2,069	36,678	2,051	31,117	..	5,561
..	..	..	..	1,206	26,665	1,189	28,966	2,301	..
1,882	4,547	1,838	4,710	12,603	2,87,469	12,848	2,94,363	6,894	..
6,932	14,462	7,048	16,029	34,379 cwt. 32·94	5,85,472	35,379 cwt. 32·94	6,00,649	15,177	..

(b) Includes also tents.

ANNUAL FORM No. 65.

Tramway Statement.

STATEMENT showing the results of transport of wood by tramway.

I.—*Nellore District.*

(i) Sríharikóta Range.

Capital Account.

—	1901–1902.	1902–1903.	—	1901–1902.	1902–1903.
Dr.	RS.	RS.	*Cr.*	RS.	RS.
To balance from the previous year.	15,776	14,830	By depreciation at 6 per cent.	947	1,003
Add stock	..	1,889	,, balance of stock	14,829	15,716
Total ..	15,776	16,719	Total ..	15,776	16,719

Revenue Account.

—	1901–1902.	1902–1903.	—	1901–1902.	1902–1903.
Dr.	RS.	RS.	*Cr.*	RS.	RS.
To working expenses	928	945	By balance written off ..	3,123	3,249
,, road-making and repairs ..	412	591			
,, interest at 4 per cent. ..	631	669			
,, depreciation at 6 per cent. ..	947	1,003			
,, repairs of wagons	205	41			
Total ..	3,123	3,249	Total ..	3,123	3,249

—	1901–1902.					1902–1903.				
	Number of tons of wood carried.	Number of miles carried.	Total ton-miles.	Actual charge for carrying.	Rate per ton-mile.	Number of tons of wood carried.	Number of miles carried.	Total ton-miles.	Actual charge for carrying.	Rate per ton-mile.
				RS.	RS. A. P.				RS.	RS. A. P.
Work done	9,460$\frac{7}{20}$	2$\frac{1}{2}$	23,650$\frac{1}{2}$	3,123	0 2 1	8,584	2$\frac{1}{2}$	21,460	3,249	0 2 5

—	1901–1902.			1902–1903.		
	Number of ton-miles.	Amount.	Rate per ton-mile.	Number of ton-miles.	Amount.	Rate per ton-mile.
		RS.	RS. A. P.		RS.	RS. A. P.
Actual charge of carrying	23,650$\frac{1}{2}$	3,123	0 2 1	21,460	3,249	0 2 5
Estimated cost of carting		31,041	1 5 0		28,166	1 5 0

ABSTRACT.

Year.	Profit.	Loss.
	RS.	RS.
1889–90	..	1,444
1890–91	8,487	..
1891–92	3,742	..
1892–93	13,807	..
1893–94	13,063	..
1894–95	15,153	..
1895–96	9,100	..
1896–97	23,921	..
1897–98	25,450	..
1898–99	30,398	..
1899–1900	23,176	..
1900–1901	8,713	..
1901–1902	27,918	..
1902–1903	24,917	..
Total ..	2,27,845	
Deduct loss ..	1,444	
Net profit ..	2,26,401	

Statement showing the results of transport of wood by tramway—*cont.*

(ii) Casuarina Plantation Range.

Capital Account.

—	1901-1902.	1902-1903.	—	1901-1902.	1902-1903.
Dr.	Rs.	Rs.	*Cr.*	Rs.	Rs.
To balance from the previous year ..	15,487	14,558	By depreciation at 6 per cent. ..	929	906
Add new stock	..	545	,, balance of stock	14,558	14,197
Total ..	15,487	15,103	Total ..	15,487	15,103

Revenue Account.

—	1901-1902.	1902-1903.	—	1901-1902.	1902-1903.
Dr.	Rs.	Rs.	*Cr.*	Rs.	Rs.
To working expenses	943	2,785	By balance written off	3,274	4,877
,, road-making and repairs	372	500			
,, interest at 4 per cent.	620	604			
,, depreciation at 6 per cent. ..	929	906			
,, repairs of wagons	410	82			
Total ..	3,274	4,877	Total ..	3,274	4,877

—	1901-1902.					1902-1903.				
	Number of tons of wood carried.	Number of miles carried.	Total ton-miles.	Actual charge for carrying.	Rate per ton-mile.	Number of tons of wood carried.	Number of miles carried.	Total ton-miles.	Actual charge for carrying.	Rate per ton-mile.
				Rs.	Rs. A. P.				Rs.	Rs. A. P.
Work done	5,522⅞	8½	13,561	3,274	0 3 10	7,879⅛	8½	22,285½	4,877	0 3 6

—	1901-1902.			1902-1903.		
	Number of ton-miles.	Amount.	Rate per ton-mile.	Number of ton-miles.	Amount.	Rate per ton-mile.
		Rs.	Rs. A. P.		Rs.	Rs. A. P.
Actual charge for carrying	13,561	3,274	0 3 10	22,285½	4,877	0 3 6
Estimated cost of carting		17,799	1 5 0		29,249	1 5 0

Abstract.

Year.	Profit.	Loss.
	Rs.	Rs.
1885-86	1,735	..
1886-87	5,030	..
1887-88	..	536
1888-89	6,272	..
1889-90	545	..
1890-91	7,323	..
1891-92	4,646	..
1892-93	5,290	..
1893-94	5,351	..
1894-95	5,261	..
1895-96	4,826	..
1896-97	3,981	..
1897-98	7,000	..
1898-99	3,224	..
1899-1900	13,275	..
1900-1901	22,553	..
1901-1902	14,525	..
1902-1903	24,372	
Total ..	1,35,209	
Deduct loss ..	536	
Net profit ..	1,34,673	

Statement showing the results of transport of wood by tramway—*cont.*

II.—*South Coimbatore District.*

Capital Account.

—	1901–1902.	1902–1903.	—	1901–1902.	1902–1903.
Dr.	Rs.	Rs.	*Cr.*	Rs.	Rs.
To balance from the previous year ..	37,302	35,109	By depreciation at 6 per cent. ..	2,241	2,119
,, repairs to tram-trucks	48	113	,, balance of stock	3,509	33,203
,, extension of tram-line beyond Sangam	..	100			
Total ..	37,350	35,322	Total ..	37,350	35,322

Revenue Account.

—	1901–1902.	1902–1903.	—	1901–1902.	1902–1903.
Dr.	Rs.	Rs.	*Cr.*	Rs.	Rs.
To working expenses	2,872	1,952	By balance written off	7,772	6,643
,, depreciation at 6 per cent. ..	2,241	2,119			
,, interest at 4 per cent.	1,494	1,413			
,, repairs to tram-road	258	339			
Half the cost of feed and keep of bullocks as they are employed for tramming for six months only ..	907	820			
Total ..	7,772	6,643	Total ..	7,772	6,643

—	1901–1902.					1902–1903.				
	Number of tons of wood carried.	Number of miles carried.	Total ton-miles.	Actual charge for carrying.	Rate per ton-mile.	Number of tons of wood carried.	Number of miles carried.	Total ton-miles.	Actual charge for carrying.	Rate per ton-mile.
				Rs.	Rs. A. P.				Rs.	Rs. A. P.
Work done.	$35\frac{1}{2}$ tons (1,420 c. ft.).	4	142	7,772	1 13 5	$44\frac{37}{40}$ tons (1,797 c. ft.).	4	180	6,643	2 4 8
	$223\frac{1}{5}$ tons (8,940 c. ft.).	$5\frac{1}{2}$	1,229			$44\frac{33}{40}$ tons (1,793 c. ft.).	$5\frac{1}{2}$	247		
	$198\frac{14}{40}$ tons (7,934 c. ft.).	3	595			$393\frac{32}{40}$ tons (15,759 c. ft.).	3	1,182		
	$556\frac{36}{40}$ tons (22,276 c. ft.).	3	1,671			$178\frac{10}{40}$ tons. (7,139 c. ft.).	3	535		
	$199\frac{16}{40}$ tons (7,976 c. ft.).	3	598			$251\frac{23}{40}$ tons. (10,052 c. ft.).	3	754		
	1,214		4,235			913		2,898		

—	1901–1902.			1902–1903.		
	Number of ton-miles.	Amount.	Rate per ton-mile.	Number of ton-miles.	Amount.	Rate per ton-mile.
		Rs.	Rs. A. P.		Rs.	Rs. A. P.
Actual charge for carrying	4,235	7,772	1 13 5	2,898	6,643	2 4 8
Estimated cost of carting	4,235	4,411	1 0 8	2,898	3,019	1 0 8
Actual cost of maintaining cart-road before the construction of tramway (now saved)	..	1,200	..	..	1,200	..
Cost of extension of road beyond Sangam (now saved)..	..	310	..	..	310	..
Total estimated cost of carting ..	..	5,921	..	..	4,529	..
Loss ..	..	1,851	..	..	2,114	..

Abstract of Loss.

Year.	Loss. Rs.	Year.	Loss. Rs.	Year.	Loss. Rs.
1889–90	4,155	1894–95	1,743	1899–1900	630
1890–91	3,049	1895–96	1,236	1900–1901	1,714
1891–92	4,711	1896–97	778	1901–1902	1,851
1892–93	4,718	1897–98	64	1902–1903	2,114
1893–94	2,392	1898–99	2,609	Total ..	31,764

Annual Form No. 72-A (Old Code).

Forest Department, Madras Presidency.

Timber and other Produce cut, collected and removed by Consumers or Purchasers during 1902–1903.

District.	Timber.	Firewood and charcoal.	Bamboos.	Money value of sales.											
				Timber.		Firewood and charcoal.		Bamboos.		Grazing and fodder grass.		Minor produce.		Total.	
				Amount of sales.	Amount actually realized during the year.	Amount of sales.	Amount actually realized during the year.	Amount of sales.	Amount actually realized during the year.	Amount of sales.	Amount actually realized during the year.	Amount of sales.	Amount actually realized during the year.	Amount of sales.	Amount actually realized during the year.
Northern Circle.	C. FEET.	C. FEET.	NO.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
Ganjám	213,676	595,339	1,731,560	11,862	11,857	7,837	7,836	6,696	6,695	13,303	13,303	4,217	4,313	43,915	44,004
Vizagapatam	69,687	223,001	1,016,750	5,166	5,166	4,277	4,277	8,423	8,423	5,037	5,037	10,166	10,171	33,069	33,074
Gódávari	415,057	616,824	8,657,262	34,901	34,901	12,756	12,777	42,003	42,003	20,057	20,056	42,140	42,027	1,51,857	1,51,764
Kistna	366,926	505,166	283,500	26,372	26,155	14,027	14,027	3,009	3,009	83,000	83,004	21,857	19,845	1,48,265	1,46,040
Kurnool	185,384	456,307	4,387,062	19,385	19,385	15,544	15,542	18,462	18,461	43,495	43,261	29,624	29,708	1,26,510	1,26,357
Bellary	178,286	257,040	103,824	11,575	11,575	4,067	4,074	2,163	2,164	42,516	42,516	50,332	50,675	1,10,653	1,11,004
Anantapur	45,790	173,587	18,020	5,872	5,872	3,633	3,229	450	451	21,886	21,885	50,408	43,445	82,252	74,882
Total ..	1,474,806	2,827,264	16,197,978	1,15,133	1,14,911	62,144	61,762	81,206	81,206	2,29,294	2,29,062	2,08,744	2,00,184	6,96,521	6,87,125
Central Circle.															
Cuddapah	140,617	435,757	1,279,430	9,964	10,779	9,449	9,775	4,368	4,390	36,766	36,775	47,086	39,538	1,07,633	1,01,257
Nellore	63,963	320,320	11,060	6,853	6,853	44,123	30,834	35	35	41,495	41,496	40,397	37,736	1,32,903	1,16,954
Chingleput	45,048	177,074	3,480	3,236	3,236	11,361	11,067	61	61	13,613	13,612	13,295	12,202	41,566	40,178
North Arcot	36,278	1,286,380	3,681,229	6,331	6,010	24,063	20,114	20,941	21,590	33,268	33,267	24,613	30,805	1,09,216	1,11,786
South do.	2,883	643,818	68,070	361	362	40,275	39,041	89	89	51,364	51,348	24,874	25,488	1,16,963	1,16,328
North Salem	170,360	198,293	2,756,950	11,599	11,264	4,844	4,767	8,506	7,974	31,253	31,253	11,606	13,767	67,808	69,025
South do.	213,088	189,887	4,045,400	14,821	13,831	4,425	4,425	23,670	23,600	24,395	24,395	18,818	19,714	86,129	85,965
Tanjore	21,811	342,285	2,200	1,388	1,337	9,090	8,777	219	220	1,329	1,236	4,399	4,382	16,425	15,952
Trichinopoly	33,159	1,413,193	179,377	2,934	2,934	24,690	24,295	1,650	1,651	19,293	17,949	14,114	14,881	62,681	61,710
Total ..	727,212	5,007,007	12,027,196	57,487	56,606	1,72,320	1,53,095	59,539	59,610	2,52,776	2,51,331	1,99,202	1,98,513	7,41,324	7,19,155
Southern Circle.															
South Canara	24,554	800,409	104,662	4,290	4,257	12,512	12,485	1,570	1,570	4,317	4,317	6,182	13,158	28,871	35,787
North Malabar	3,333	2,820	20,092	2,843	2,250	44	45	344	343	2,792	2,790	1,006	1,007	7,029	6,435
South do.	216,351	55,387	84,171	24,703	24,703	3,725	3,723	1,681	1,681	5	5	1,945	1,943	32,059	32,055
The Nilgiris	4,608	28,517	369,381	705	705	1,666	1,667	3,431	3,430	9,424	9,424	827	828	16,053	16,054
North Coimbatore ..	24,758	319,776	4,109,500	2,708	2,714	14,556	14,555	10,856	10,856	47,636	47,639	6,287	5,927	82,043	81,691
South do.	101,756	853,739	2,198,050	20,937	18,913	15,415	18,586	7,680	7,679	8,927	8,926	7,863	7,664	60,822	61,768
Madura	121,699	473,888	119,208	8,133	8,133	27,320	27,244	3,668	3,668	20,963	20,951	19,082	27,466	79,166	87,462
Tinnevelly	33,388	1,024,981	93,740	612	200	41,593	39,881	548	639	4,056	4,055	22,672	23,537	69,481	68,312
Total ..	530,447	3,559,517	7,098,804	64,931	61,875	1,16,831	1,18,186	29,778	29,866	98,120	98,107	65,864	81,530	3,75,524	3,89,564
Grand Total ..	2,732,465	11,393,788	35,323,978	2,37,551	2,33,392	3,51,295	3,33,043	1,70,523	1,70,682	5,80,190	5,78,500	4,73,810	4,80,227	18,13,369	17,95,844
														Add outstandings at the close of 1901–1902 ..	*1,68,465
														Total ..	19,81,834
														Deduct amount realized as per Form No. 59 ..	17,95,844
														Balance outstanding on the 30th June 1903 ..	1,85,990

* Revised figures.

ANNUAL FORM No. 72-B (OLD CODE).

Forest Department, Madras Presidency.

TIMBER and other Produce Confiscated and Sold during the year 1902–1903.

District.	TIMBER.		FIREWOOD.		BAMBOOS.		Minor produce in value.	Total amount of sales.	Amount actually realized.
	Quantity in cubic feet.	Amount of sales.	Quantity in cubic feet.	Amount of sales.	Number.	Amount of sales.			
Northern Circle.		RS.		RS.		RS.	RS.	RS.	RS.
Ganjám	2,177	391	273	10	1,368	5	3	409	398
Vizagapatam ..	197	12	900	17	1,470	6	1	36	35
Gódávari	38,861	2,803	5,471	195	1,917	8	411	3,417	3,417
Kistna	1,443	91	173	9	96	2	3	105	106
Kurnool	2,015	467	5,296	258	9,966	131	417	1,273	1,273
Bellary	154	18	612	48	..	..	6	72	71
Anantapur	..	..	..	..	..	..	..	..	..
Total ..	44,847	3,782	12,725	537	14,817	152	841	5,312	5,300
Central Circle.									
Cuddapah	1,376	318	647	24	3,550	5	20	367	318
Nellore	6,652	831	10,376	441	..	..	13	1,285	1,285
Chingleput	1,080	122	648	10	..	..	..	132	132
North Arcot ..	271	118	2,128	72	3,420	13	47	250	250
South do. ..	516	65	1,440	40	383	3	177	285	283
North Salem	547	268	318	10	3,150	9	16	303	304
South do.	444	112	1,066	67	11,683	52	90	321	321
Trichinopoly ..	156	146	406	57	47	2	47	252	252
Tanjore	..	..	1,147	18	..	..	2	20	18
Total ..	11,042	1,980	18,176	739	22,233	84	412	3,215	3,168
Southern Circle.									
South Canara ..	4,235	861	9,354	81	852	35	144	1,121	1,103
Malabar, North ..	946	354	..	..	..	..	..	354	454
Do. South ..	55	4	..	..	..	..	..	4	4
The Nilgiris ..	96	16	638	10	219	5	18	49	49
Coimbatore, North ..	777	194	1,645	109	1,260	6	18	327	327
Do. South ..	3,268	438	2,222	55	4,400	27	19	539	533
Madura	703	116	1,457	119	49	2	28	265	266
Tinnevelly	330	132	14,237	573	..	..	22	727	736
Total ..	10,410	2,115	29,553	947	6,780	75	249	3,386	3,472
Grand Total ..	66,299	7,877	60,454	2,223	43,830	311	1,502	11,913	11,935
							Add outstanding at close of 1901-1902 ..	535	
							Total ..	12,448	
							Deduct amount realized as per Form No. 59 ..	11,935	
							Balance outstanding on the 30th June 1903 ..	513	

GOVERNMENT OF MADRAS.

REVENUE DEPARTMENT.

READ—the following Proceedings of the Board of Revenue (Land Revenue), Forest No. 300, dated 13th November 1903 :—

The Hon'ble Mr. H. A. SIM, C.I.E., I.C.S.

Resolution—Forest No. 300, dated 13th November 1903.

The Board submits to Government the progress report of Forest Administration in the Madras Presidency for the year ending with 30th June 1903.

2. In accordance with the last clause of section 258 of the Forest Code, the report has been drawn up by Mr. E. D. M. Hooper, the Senior Conservator of Forests, and sets out clearly the main features of the year's working in the manner laid down by Government.

3. As in previous years, the Board has again the pleasure to report to Government that the controlling staff of the department has worked with zeal and energy, that those who have acted as Conservators have exercised their advisory and administrative powers with much interest, tact and ability and that the District Forest-officers almost without exception have performed their arduous duties with the greatest zeal and devotion. Messrs. Hooper, Brasier and Lushington among the Conservators, Messrs. Lodge, Battie, P. M. Lushington, Bryant, Scot, Barlow-Poole and Nallaswami Nayudu among the District Forest-officers, and Mr. Parthasarathi Mudaliyar as Forest Assistant in the Board's office, deserve special mention.

(True Extract.)

(Signed) A. R. CUMMING,
Secretary.

To the Secretary to Government, Revenue Department,
with three copies of the report.

ORDER—No. 141, Revenue, dated 3rd February 1904.

Forest No. 20.

Mr. Hooper's report is a careful record of the year's work in the Forest Department. The length of the report has been reduced to 42 pages, and the alterations suggested in G.O., No. 289, Revenue, dated 18th March 1903, have been carried out in the sections specifically noticed in that order. There seems, however, still room for a closer approximation to the model prepared by Mr. Ribbentrop, and the Government consider that the present report might be improved by the excision of many of the statistical abstracts such as those in paragraphs 10, 36, 37 and 38 which only repeat in a slightly abbreviated form statements at the end to which attention has already been called in the body of

the report; by the omission of many of the stereotyped "explanations" of unimportant variations between the figures of the year under report and preceding years; and by the comprehension in a somewhat wider review of facts which are at present set out in detail for each district in order, and, though perhaps valuable in themselves, only tend to obscure matters really worthy of remark.

2. The chief features of the year's work will be briefly noticed.

Extension and Constitution of State Forests.

3. *Forest Settlement.*—Out of the total area of 19,455 square miles under control at the end of the year, 17,657 square miles had been finally constituted reserved forest and 1,175 were in various stages of settlement. Of the remaining 623 square miles of reserved land it is expected that only some 460 square miles will be finally brought under settlement. New selections for reservation are now estimated at 413 square miles or rather more than double the figure given in last year's report. There thus remain about 2,000 square miles for final reservation to complete the scheme of the department: and of this extent nearly 900 square miles have still to be notified.

During the year 534 square miles were finally settled and 67 square miles were notified. This result can hardly be considered satisfactory and a better outturn will be necessary if the settlement work is to be completed according to the present programme by the end of March 1905. The districts in which the largest areas have still to be notified are South Canara, Kurnool, Madura, Bellary and Anantapur, if it is finally decided to reserve the proposed 200 acres in the last-named district. The Board has recently called the attention of the Collectors concerned to the necessity of hastening the publication of the necessary notifications: and the Government trust that both they and the Forest Settlement-officers will spare no pains to ensure the completion of the work within the specified period.

4. *Demarcation and Survey.*—Good progress was made during the year; 313 miles of boundary were added and 1,197 miles were demarcated, bringing the total up to 95 per cent. of the mileage requiring demarcation. Maps were prepared for 1,081 square miles, with the result that 65 per cent. of the total reserve area has now been mapped.

Management of State Forests.

5. *Working-plans, etc.*—By the end of the year working-plans were ready or under preparation for about 37 per cent. of the total forest area. The progress during the year was less than in the previous year owing chiefly to want of officers. The work in the Southern Circle especially suffered in this respect: and it is the more to be regretted since the Southern Circle contains the most valuable timber forests in the Presidency, the careful working of which is of the first necessity both for climatic and financial reasons.

6. *Sylviculture.*—Natural reproduction by seed seems to have been good in all the areas that were successfully protected from fire, except in Bellary, where growth was again retarded by excessive grazing. From Form 54 it appears that cultural operations were extended over an additional area of 1,000 acres which included some extensive plantation of casuarina in Nellore, and an addition of 120 acres of teak plantation at Nilambur. From paragraph 27 of the report it appears that various other attempts at artificial reproduction were initiated; very little information is given, however, as to the success that has followed attempts initiated in previous years. The Government trust that this is not an indication of spasmodic effort or of want of continuity of operation. Both natural and artificial reproduction was hampered in many instances by fire. The chief experiments made were, as in previous years, with the date palm and the mahogany tree; the former was not much of a success except in Gódávari, but the latter seems to have done fairly well in Malabar, Coimbatore and the Nilgiris. It is to be regretted that there has been such delay in formulating definite proposals for concentrating experiments in selected localities under selected officers. The matter was first brought to notice in the report for 1900–1901; but nothing has yet been done and this year's report again furnishes a tale of desultory and not very successful efforts. The Board should submit a special report on the subject without further delay.

It would be an advantage if it were possible to indicate more clearly in the report what progress has been made in the arboricultural development of the more important reserves, and how far the special forest requirements of each district or group of districts are being provided for. Though much detailed information is given in the present report it is difficult to gauge the measure of success that is being attained in the work which is really the *raison d'ê tre* of the department.

7. *Exploitation.*—Altogether three and-a-quarter million cubic feet of timber and eighteen and-a-half million cubic feet of fuel were extracted in the year. The increase in the latter of 20 per cent. over last year's figures was due to a further rise in the demand from the railways. The outturn of bamboos and minor produce slightly decreased. There was an expansion in departmental operations in nearly all districts. The Government are glad to see that progress was made in the exploitation by Government agency of the timber forests of the Southern Circle. With the improvement of communication with the Anamalai reserves, it is hoped that a wide field may be opened for the disposal of the valuable timber of those forests. The Board's attention has already been drawn to the prospect of developing the timber market at Kolar and its further report on the subject is awaited.

There was again but little demand by the public for the removal of hay and fodder generally. In connection with the instructions of the Government of India that arrangements should be made for the special supply of fodder from forest reserves in times of famine, this Government have already approved of the Board's proposals that the Conservators should select two suitable localities in each circle and experiment in hay-making on a sufficiently large scale to test the feasibility of the Government of India's suggestions. The results of these experiments, which are to be continued over a series of years, should be noticed in the reports of the current and succeeding years.

8. *Regulation of grazing.*—The area closed to all grazing was increased by 8 per cent. to 1,867 square miles or about one-tenth of the total forest area. The increase was mainly in Gódávari. The total number of animals admitted to reserves decreased by about 15 per cent. In Kurnool and Anantapur large additional extents were closed to goat-browsing during the year. In Nellore the compartment system of regulating grazing, which had been on trial for three years, was finally abandoned as it had proved unsuccessful. A new scheme for regulating goat-browsing is now under trial in Nellore and the report on its working is awaited. It is satisfactory that the number of cattle impounded for unlicensed grazing decreased by 20 per cent.

9. *Fire protection.*—The area over which protection was attempted decreased from 5,550 to 5,545 square miles, and the proportion of failure rose from 3·63 per cent. to 9·27. The total area burnt during the year in both "protected" and immune tracts nearly doubled. The districts that suffered most were Gódávari, Kurnool, Cuddapah, North Arcot and North Coimbatore, in all of which, except the last, there was a heavy increase over the figures of the previous year. The area burnt was practically all protected except in the Coimbatore and Salem districts. It is unfortunate that the efforts of the department in this important matter have not met with more success. Owing to the uncertainty of the estimates of the area naturally immune from fire, it is impossible to say accurately how much of the total reserve remains to be dealt with, but there is no doubt that large tracts still require protection in most of the districts of the Northern and Southern Circles, and especially in Ganjám, Bellary, Coimbatore and Madura. In the review of last year's report the Government expressed the hope that greater attention would be paid to the subject during the year and they regret that so far as can be seen from the results now reported this hope has not been realised. It is hardly necessary to point out the prime importance of every means being taken by the Forest Department to secure the fruits of their labour: and the Board should make it a peculiar care to see that the matter is not neglected.

10. *Breaches of Forest Laws.*—The number of cases disposed of during the year was 22,335, showing a slight decrease on the figure for last year. There was a correspondingly slight decrease in the number of new cases reported, under the two main heads of unauthorised felling and grazing without permission. Of the cases disposed of 9 per cent. were withdrawn, 61 per cent. compounded and 30 per cent. brought into court: while of those brought into court 9 per cent. ended in acquittal.

Compared with the figures for the last two years the proportion of cases withdrawn and ending in acquittal shows a satisfactory decline: but the percentage of cases compounded has again risen during the year from 59 to 61. It is true that the average value of composition fees recovered in each case was slightly less than in last year; but the Government cannot but think that the figures show that this method of dealing with offences is misapplied, and must again call the attention of the Board to the remarks made on this subject in the review on last year's report.

The marked decrease in the number of cases reported in Kistna is ascribed in the report to the "better supervision by the controlling officers," while the no less marked increase in South Arcot is attributed to "better protection and increased vigilance of the subordinate staff". The Government cannot endorse this convenient optimism: any real improvement in protection should result in the prevention of offences, and the success of the subordinate staff should be gauged not by the number of convictions secured for damage already done but by the absence of forest crime, and the consequent better condition of the forests. It cannot be too strongly impressed upon all officers of the department that their aim should be to prevent offences and that with the gradual improvement of the protective staff there should be a corresponding decrease in the number of offences reported. It must, however, none the less be borne in mind that diminution in reported crimes may be due to increased corruption. To guard the forests, and to guard those who are lawfully entitled to use the forests, constant vigilance on the part of the superior staff is needed.

11. *Communications and buildings.*—It is to be regretted that in North Arcot and South Salem various works had to be deferred owing to the want of establishment and inefficiency of subordinate officers, but on the whole steady progress was made in the important work of improving communications by the opening of several roads and cart-tracks and the building of rest-houses.

Financial Results.

12. The total receipts for the year rose by 4 per cent. to Rs. 25,92,779 and the total charges by 4½ per cent. to Rs. 18,26,555. There was thus a surplus of Rs. 7,66,224. The most valuable sources of income were fuel and grazing. Of the expenditure 42 per cent. was devoted to the upkeep and improvement of the forests and 58 per cent. to exploitation. Departmental exploitation yielded a profit of about 18 per cent. It is satisfactory to note that the accounts of the Southern Circle show a slight surplus this year notwithstanding the extra expenditure of Rs. 40,000 on acquisition in the Wynaad, but the charges on account of removal of produce by Government agency still exceeded the receipts in the Nilgiris, Coimbatore, Madura and Tinnevelly.

The year's revenue was collected in a satisfactory manner. The outstandings due at the beginning of the year amounted to Rs. 1,68,464, and the value of sales during the year to Rs. 26,04,986. Out of the total of Rs. 27,73,450 due during the year Rs. 25,92,779 were collected and Rs. 1,091 written off, leaving a balance outstanding of Rs. 1,79,580.

Miscellaneous.

13. Careful arrangements were, as usual, made to meet the various local demands for forest produce. There again appears to have been little demand for the supply of leaf manure: but the Government have not yet received the detailed report on the subject called for last year. The experiments in Tanjore, which were reported to have failed in the previous year, do not seem to have been repeated. The great importance of providing a cheap supply of firewood adequate for all requirements should not be lost sight of.

The Government of India drew attention during the year to the disadvantages of the pit-fall system of capturing elephants. Though inclined to doubt the necessity of abandoning a system that has long been worked satisfactorily, this Government determined to make some experiments in the *kheddah* system, and an officer has recently been placed on special duty for the purpose. His report will be looked for with interest.

14. *Establishment.*—His Excellency the Governor in Council has again to deplore the unsatisfactory conduct of the subordinate executive and protective staff. There appears to have been no improvement since last year, but rather the contrary. It is to be feared that no real progress will be made until the controlling staff has been increased, and that question is now under consideration.

The reports on the work of the controlling officers are, as usual, generally favourable: and His Excellency in Council is pleased to record his appreciation of the manner in which they have fulfilled their duties. Among much good work, that of Messrs. Bryant, Battie and Nallaswami Naidu deserves especial notice.

15. *General.*—The year's work has on the whole been one of steady progress. With the completion of the work of selection and initial reservation, it is hoped that it will be possible to concentrate the efforts of the department more especially on the efficient protection of the area reserved, and to devote more particular attention to arboriculture.

(True Extract.)

(Signed) J. N. ATKINSON,
Ag. Secretary to Government.

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